Radio Shack®

THE BIGGEST NAME IN LITTLE COMPUTERS®

The exciting TRS-80® line for 1984
includes the all new Tandy 2000
Ultra-High Performance MS™-DOS
Personal Computer. And like all
TRS-80 computers, it's backed
by the excellent service and
support you've come to expect
from Radio Shack.

1984 TRS-80 CATALOG

No. RSC-11

PRESENTING RADIO SHACK'S VIDEOTEX AND OFFICE INFORMATION SYSTEM

Basic VIS System Operator Configuration

Only **$370** Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

- 1-Disk Model 16B With Built-In 15-Megabyte Hard Disk
- Two D.C. Modem II's
- VIS Software

This configuration, consisting of the Model 16B with a total of 384K RAM and built-in hard disk, plus two modems with cables, is ideal as an entry level videotex system. Complete System $10,800.

Expanded VIS System Operator Configuration

Only **$735** Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

- 1-Disk Model 16B With Built-In 15-Megabyte Hard Disk
- 15-Meg Secondary Hard Disk
- TRS-80 Multiplexor ■ VIS Software

A perfect Public Information System configuration. In this system, the Model 16B offers a total of 512K RAM. The 16-line multiplexor can handle 16 simultaneous phone calls. Complete System $21,500.

System prices do not include required installation

NEW FOR '84

- Designed for Storing, Retrieving and Distributing Information
- Use as an Office Information System or as a Mass Market System
- Combines User-Friendly Software with the Powerful TRS-80 Model 16B
- Easily Expand with Hard Disks and TRS-80 Communication Multiplexors
- Retrieve Information Using Menus or by Title, Keywords or Synonyms
- Extremely Tolerant of User Mistakes—Even Accepts Misspelled Words

Videotex and Office Information System (VIS). A revolutionary Videotex program for storing, retrieving and distributing information. VIS offers state-of-the-art technology at prices that are a fraction of comparable systems. In fact, some VIS features are not available on any other system at *any* price.

A Closer Look at VIS. VIS, as with all videotex systems, is a two-way interactive system that transmits electronic information directly to information consumers. With VIS, "information consumers" may be a select group, the general public, or both. Any terminal or computer with communications capability can be used to receive and display text. The "information providers" establish and organize the data. An information provider could be a real estate organization, insurance company, major corporation, or anyone with information to

be distributed on a timely, cost-effective basis. Central to VIS information distribution is the "system operator", who maintains the VIS system for a single or multiple information providers.

Using VIS as a Corporate Information Tool. VIS can meet the requirements of an information storage and delivery system within your company's internal operations. Using your office computer, home computer or a portable terminal, VIS lets you check factory orders against usable inventory, corporate sales figures, or any information required for higher efficiency and productivity.

Using VIS as a Public Information System. VIS can be used as a "public" information base in which paid subscribers are allowed access to information such as news, weather

and stock reports. Airline schedules, real estate directories and credit bureau information are just a few of the services possible.

Retrieving Information Is Easy. The information consumer simply enters a request on computer or terminal. VIS receives the request, retrieves the desired information and formats it to the information consumer's computer or terminal. Then, the information is transmitted one screen at a time. An information consumer can request a VIS document by entering its title or a "keyword". VIS will even accept misspelled words or retrieve alternatives based on phonetic similarities! Keywords can be combined enabling the information consumer to select specific information quickly and easily.

Use VIS to Your Advantage. VIS is available *today*. For complete information, contact Radio Shack Videotex Department, 1400 One Tandy Center, Fort Worth, Texas 76102.

VIS Software. 26-6470 . . . . 3500.00
VIS Multiplexor Software. Requires 26-6470.
26-6471 . . . . 1000.00

A Typical VIS™ Network
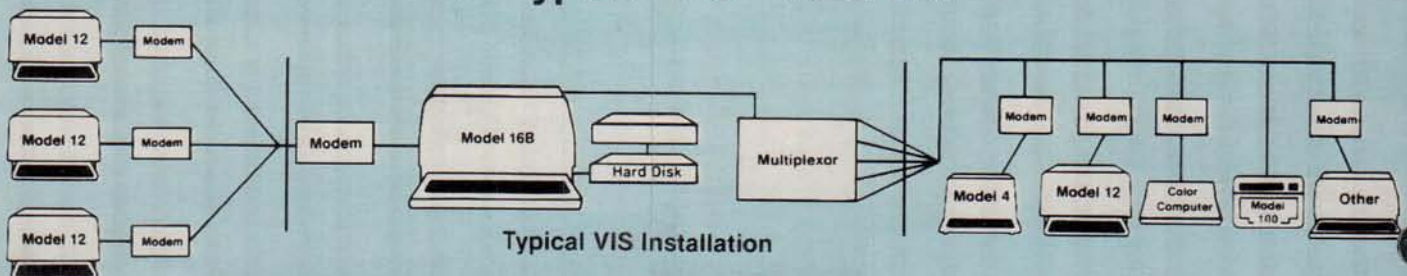
Typical VIS Installation

"Information Providers" supply and update the information. VIS will support up to 256 Information providers.

The "System Operator" maintains the facilities for storing the information.

"Information Consumers" select from the available information using a wide variety of popular computers or terminals.

COME TO RADIO SHACK – THE COMPUTER EXPERTS

Radio Shack COMPUTER CENTER

Over 420 Nationwide

Radio Shack Computer Centers provide total customer support before, during and after the sale. All Centers feature computer training rooms, and most have service facilities right on the premises.

Radio Shack Plus Computer Centers carry the full line of TRS-80 computers, peripherals, software and other business products. Trained experts are on hand to help you.

Radio Shack PLUS COMPUTER CENTER

Over 650 Nationwide

The Right Credit and Leasing Plans for You

Radio Shack honors American Express, MasterCard, Visa and Radio Shack/CitiLine. With your CitiLine card, you can finance initial purchases of $225 or more and subsequent purchases of $100 or more. No fee is required to establish CitiLine credit. Simply fill out a CitiLine application card that's available at any Radio Shack Computer Center or participating Radio Shack store or dealer. Upon approval by CitiBank, often within the hour, you can take your purchases home. Payments can be spread over 30 months, or paid in full anytime.

Your business can lease any TRS-80 computer system valued over $1500 on a 37-month lease. And since ours is a true lease, payments may be fully tax deductible as a business expense. We can provide leasing terms to non-profit, governmental and educational organizations, too. Get complete details at your Radio Shack Computer Center.

Your Radio Shack Computer Center Is Now Headquarters for Hard-to-Find Software

The "Directory of Reviewed Software" Provides You With Access to Hundreds of Specialized Software Applications

Now it's easy to find programs that have been custom designed for businesses just like yours. Stop by any Radio Shack Computer Center and ask to see the Directory of Reviewed Software.

Updated Monthly. The Directory shows you where to buy some of the newest and most innovative software available: client write-up for accountants, fixed asset record keeping, inventory control for restaurants and for linen and uniform services, information processing for florists, small community utility billing, professional tax preparation, farm accounting, ductwork cost estimating, home appraisal, real estate sales, survey data analysis and more.

Evaluated by Professional Analysts. Each package has been reviewed by Radio Shack. An accurate description of the product is given, including an Overview, Features, Hardware Requirements and Capacities. Because these packages are not sold by Radio Shack, complete information on how to contact and order from the independent vendor is also given.

Software Developers! Take Advantage of This Unique Opportunity. The Radio Shack Software Support Program assists third party software firms in developing and/or converting reliable, specialized software for TRS-80 microcomputers. Participants are eligible to receive technical information and software development guides, internal library routines, TRSDOS licensing and quantity discounts on runtime disks. You may also purchase TRSDOS source code. And you become eligible for the Software Review Program and possible listing in the Directory of Reviewed Software. For complete details, contact Radio Shack, Outside Software Support Program, 1300 One Tandy Center, Fort Worth, Texas 76102.

Quantity Discounts

Product	6-11 of 1 item	12-49 of 1 item	50-499 of 1 item	500-Up of 1 item
Software, Books, Accessories, Ribbons, Paper	10%	15%	17%	20%
Model 100, MC-10, Pocket & Color Computers, Printers, Peripherals	5%	10%	15%	20%
Model 4 Cassette Computers	5%	7%	10%	15%
Model 4/4P Disk Computers, Model 12, 16B & 2000 Computers	5%	10%	(See store manager for quantities over 20.)	

For discounts on diskettes and cassettes, see page 44 and 45. All prices and terms optional in Dealer/Franchise stores. Prices are subject to change without notice.

ULTRA PERFORMANCE MS-DOS SYSTEM

Introducing the Tandy TRS-80 Model 2000 Personal Computer

NEW FOR '84

2-Disk Tandy 2000	Hard Disk Tandy 2000 HD
2750⁰⁰	**4250**⁰⁰

Commercial Lease Available For Only $95 Per Month (Plus Applicable Use/Sales Tax)

Commercial Lease Available For Only $150 Per Month (Plus Applicable Use/Sales Tax)

Non-interlaced monitor, color graphics and Digi-Mouse not included

- **Dramatic Speed and Increased Storage Capacity Let You Perform Bigger Tasks in Less Time**
- **User-Expandable for Your Future Needs**
- **Choose From the Hottest Names in Software**
- **Stylish, Ergonomic Design Gives You Maximum Versatility, Productivity and Comfort**

Setting New Standards for Personal Computers. The Tandy 2000 is a truly remarkable computer that offers you much more than other 16-bit MS™-DOS based computers. More speed. More disk storage. More expansion. Advanced graphics. And the superior quality and support that keeps Tandy Corporation at the forefront of the industry.

Large Library of Proven Software. Rapidly becoming an industry standard, MS-DOS lets us bring you the most popular and sophisticated programs on today's market. Programs like dBase II™, Microsoft-Multiplan™, PFS®:File, MultiMate™ and many more. Others are under development, including the state-of-the-art MS-Windows operating environment from Microsoft®.

Extremely High Speed. A "next generation" true 16-bit CPU makes the Tandy 2000 dramatically faster than other MS-DOS computers. That means all the Tandy 2000 software runs faster, so you get the job done quicker.

Vast Storage Capacity. Tandy 2000's two floppy disk drives let you store more documents and crunch through bigger tasks with ease. For even greater storage, the Tandy 2000 HD features a built-in 10 million character hard disk drive.

Flexible, Ergonomic Design. Tandy 2000 easily adapts to you and your environment. In fact, you can actually "fine-tune" the modular system to your personal needs. Using our space-saving options, you have the smallest possible desk "footprint"—only 8¹/₂ × 12¹/₄". And the low-profile, 90-key keyboard with 12 function keys and a 10-key numeric datapad assures fast, comfortable typing.

Easy Expansion Capabilities. Add additional memory, stunning high-resolution monochrome and color graphics, our Digi™-Mouse and more. And you can install most of these options yourself.

Compare the Tandy 2000 to Other MS-DOS Computers. In actual benchmark comparisons, Tandy 2000's true 16-bit microprocessor performed almost three times faster than the IBM® PC. Each Tandy 2000 disk drive offers over four times the storage of an IBM PC drive and twice that of the TI® Professional. Our color graphics are twice the resolution of COMPAQ™ or IBM, and offer twice as many colors. And all four of our user-accessible card slots are available for future growth. Putting it simply, the Tandy TRS-80 Model 2000 delivers extraordinary quality with higher performance than other popular computers, including the IBM PC.

128K 2-Disk Tandy 2000. 26-5103 . . . . 2750.00
256K 1-Disk Tandy 2000 With 10-Megabyte Hard Disk.
26-5104 . . . . 4250.00

Compare the Tandy TRS-80 Model 2000 to the IBM Personal Computer

Price Comparison†	Tandy 2000	IBM Personal Computer
Base Unit	$2750	$2104
2nd Drive	Included	$529 (320K)
Monochrome Monitor	$249	$345
Display/Printer Adapter	Included	$335
128K RAM (Total)	Included	$165
RS-232	Included	$120
MS-DOS 2.0	Included	$60
Total Cost*	$2999	$3658
Feature Description		
Internal Memory	128K Standard	64K Standard
Disk Capacity Per Drive	720K	160 or (320K optional)
Clock Speed	8 MHz	4.7 MHz
True 16-Bit Microprocessor	Yes (80186) 16 bit/16 bit data path	No (8088) 16 bit/8 bit data path
User-Available Expansion Slots*	4	2
Graphics Options		
Color Resolution	640 × 400	320 × 200
Number of Colors	8	4
Monochrome Resolution	640 × 400	640 × 200
Graphics on Monochrome Monitor	Yes	No

*Comparable IBM configuration with monochrome adapter and display, communications adapter, two 320K disk drives and 128K RAM. †Manufacturer's pricing as of 9/1/83

4

TANDY 2000 EXPANSION OPTIONS

Tandy 2000 Adapts to Your Requirements

Tandy 2000 Monitors and Space-Saving Options

Choose Your Display Monitor

We offer two display monitors for the Tandy 2000 to suit your needs. Both the VM-1 High-Resolution Monochrome Monitor and the CM-1 High-Resolution Monitor tilt 5 or 10 degrees so you can find your best viewing angle, and each features an 80×25 display for easy viewing. The VM-1 has a 12" green phosphor, non-glare screen and can display optional graphics. The 14" CM-1 gives you vivid 8-color graphics with the Monochrome/Color Graphics options.

VM-1 Monochrome Monitor.
26-5111 . . . . 249.00
CM-1 Color Monitor. Requires #26-5140 graphics option. 26-5112 . . . . 799.00

Space-Saving Options

The Tandy 2000 is more than just attractive. It's a true milestone in ergonomic design. Choose the Floor Stand to position the CPU beside or under your desk to increase usable space. The compact Monitor Pedestal for your VM-1 monitor tilts and swivels to give you the very best viewing angle.

Monitor Pedestal. 26-5115 . . . . 89.95
Floor Stand. 26-5116 . . . . 145.00

The Tandy 2000 Has Room to Grow

High-Resolution Monochrome Graphics. Produce detailed business graphs, tables, charts and more on either the VM-1 Monochrome or CM-1 Color Monitor. 256,000 picture elements (640×400) produce amazing detail. User installable. 26-5140 . . . . 449.00

High-Resolution Color Graphics Chip Kit. Create spectacular 640×400 color graphics on the CM-1 monitor. Displays 8 of 16 colors. Requires Monochrome Graphics Option. Does not use a card slot. User installable, however, installation by our technicians is recommended.
26-5141 . . . . 199.00

TV/Joystick Adapter. Lets you connect any TV set or monitor to the Model 2000. Includes graphics, sound generator and support for optional joysticks (26-3008 or 26-3012). User installable.
26-5142. Available 3/15/84 . . . . 249.95

Digi™-Mouse. Plugs in for easy cursor movement in specified programs. Requires 26-5144, below. 26-1197. Available 3/15/84 . . . . 99.95

Digi-Mouse/Clock Controller Board. Dual-purpose board includes controller for Digi-Mouse and perpetual time/date clock. Battery back-up. MS-Windows operating environment software included at no extra cost. User installable. 26-5144. Available 3/15/84 . . . . 119.95

Programmer's Reference Manual. Information for assembly language programmmers, including entry conditions for MS-DOS.
26-5403 . . . . 19.95

Hardware Reference Manual. Schematics and theory of operation for double-shooting, designing interfaces, more. 26-5404 . . . . 19.95

You can slide expansion boards easily into slots in the back of the computer (as shown above).

Memory Expansion Options

Internal 128K RAM Kit. Does not use a card slot. Installation required, not included.
26-5160 Avail. 3/1/84 . . . . 299.00
External 256K Expansion Board. Comes with 128K RAM. 128K Upgrade (26-5162, below) expands each board to 256K RAM. Two boards can be added. User installable. 26-5161. Avail. 3/1/84 . . . . 499.00
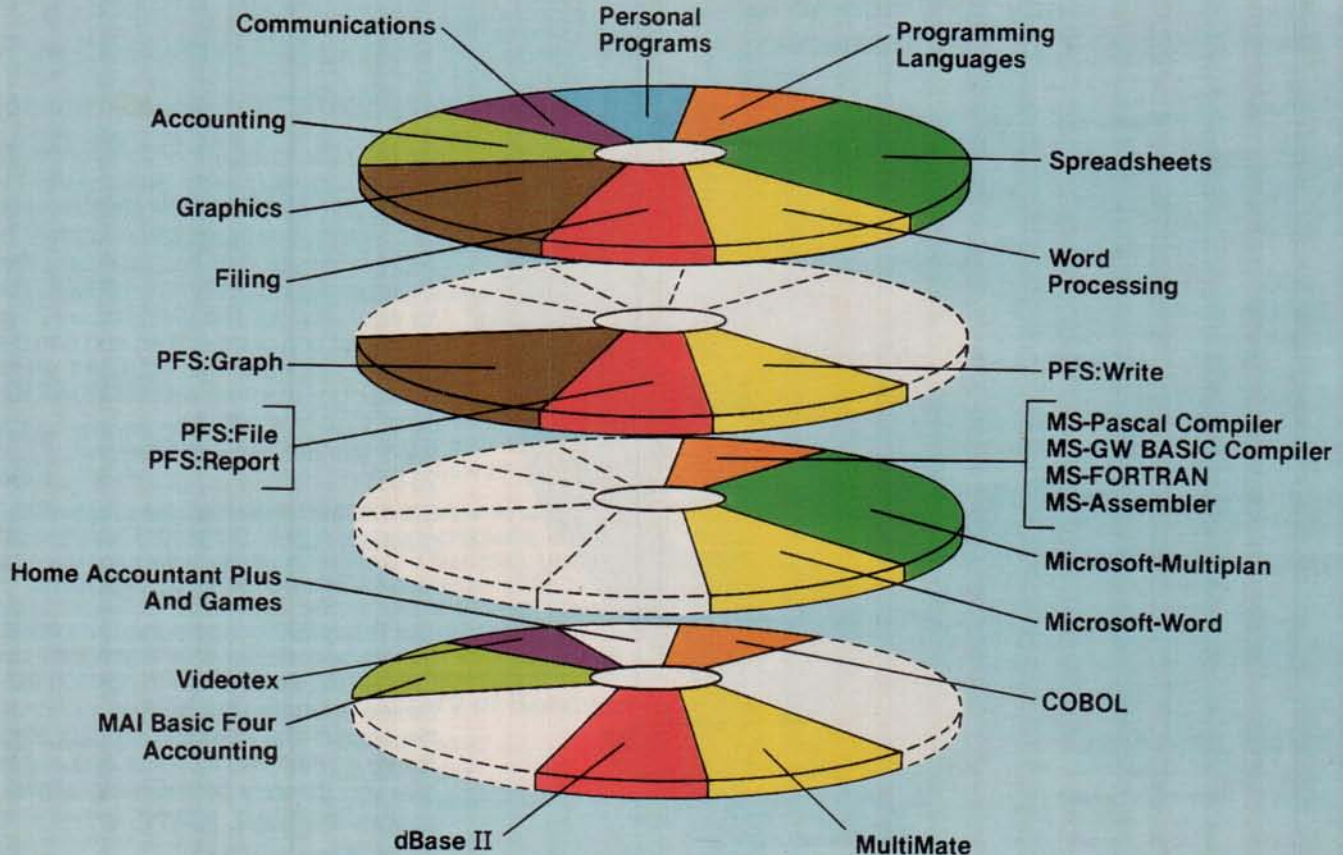**128K RAM Upgrade.** Installs on External Expansion Board (26-5161, above). User installable, however, installation by our technicians is recommended.
26-5162 . . . . 299.00
Internal 10-Megabyte Hard Disk. Requires installation, not included. 26-5125 . . . . 1699.00

5

POPULAR TANDY 2000 MS-DOS SOFTWARE

Advanced Programs for Every Need

The four software "wheels" diagram with labels:

- Communications
- Personal Programs
- Programming Languages
- Accounting
- Spreadsheets
- Graphics
- Word Processing
- Filing
- PFS:Graph
- PFS:Write
- PFS:File / PFS:Report
- MS-Pascal Compiler
- MS-GW BASIC Compiler
- MS-FORTRAN
- MS-Assembler
- Home Accountant Plus And Games
- Microsoft-Multiplan
- Microsoft-Word
- Videotex
- MAI Basic Four Accounting
- COBOL
- dBase II
- MultiMate

The Tandy 2000's higher speed and vast disk storage actually expand the power and flexibility of the most popular, sophisticated software on the market. The four software "wheels" above illustrate the outstanding programs available. Each "slice" in the top wheel represents a typical application—word processing, electronic filing, spreadsheet analysis, graphics, accounting, communications and more. The corresponding slices on the lower wheels portray the actual programs available within each application software family.

Easy-to-Use PFS® Programs

Choose from this family of software for extremely "user friendly" programs that interact with one another. They're highly recommended for first-time users.

PFS:File. A very simple way to create and organize your own personalized filing system. Store, retrieve and review information in seconds with a few keystrokes. 26-5305 . . . . 140.00

PFS:Report. A powerful analysis tool that creates specialized tabular reports from data stored in PFS:File. You can easily produce presentation-quality reports of sales, inventory, employee information and more. 26-5306 . . . . 125.00

*PFS:Write.** 26-5309 . . . . 140.00

*PFS:Graph.** 26-5307 . . . . 140.00

Microsoft® Productivity Programs and Languages

All of Microsoft's business programs are similar in design, so when you learn one, the next is easy. You can also transfer data from one program to another. And more superb programs are on the way. Together with the upcoming MS-Windows operating environment, they will form a state-of-the-art integrated system which allows you to view several "windows" at once—files, letters, graphs and more—and exchange information between them. Our optional Digi-Mouse gives you fast, easy cursor movement on specified programs.

Microsoft-Multiplan™. This popular "second-generation" spreadsheet lets you link different worksheets so information is transferred between them automatically. Create multiple windows for easy data comparison. And sort data either numerically or alphabetically. On-line reference guide and plain English prompts make it exceptionally easy to use. Flexible formatting options let you print elegant finished reports.
26-5311 . . . . 249.00

*Microsoft-Word.** 26-5314 . . . . . 375.00

MS-Pascal Compiler. Compatible with the ISO proposed standard, with many extensions. 26-5256 . . . . 299.95

MS-GW BASIC Compiler. Compiles your interpretive BASIC programs into machine-language code, making them run faster. 26-5251 . . . . 299.95

MS-FORTRAN. A subset of FORTRAN-77 with extensions and features of the ANSI standard. Link FORTRAN subroutines with MS-Pascal. 26-5255 . . . . . . 349.95

MS-Assembler. Full-featured macro assembler for advanced programming. Assembles symbolic instructions into machine code. 26-5252 . . . . 99.95

Other Popular Programs

*COBOL.** An MS-DOS version of the popular RM™-COBOL. 26-5257 . . . . 595.00

dBase II™. A relational data base management system that's as powerful as any on the market. Yet "plain English" commands make it easy for both beginning and advanced users. You can quickly create a full business information system that will grow as you grow. Simple commands allow you to set up a screen format and enter data simply by filling in the blanks. And you can easily add, delete, edit, display and print your information. Create customized reports that access data in several data bases. And when you change the file format, the data isn't affected. Requires 256K.
26-5352 . . . . 595.00

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*Will Be Available for the Tandy 2000 Over the Next Six Months

MORE "TOP SELLERS" FOR TANDY 2000

MultiMate™ Word Processing

A highly-acclaimed program that actually duplicates the features and power of a dedicated word processor. Excellent documentation, easy-to-learn commands and a comprehensive on-line help facility assure minimal training time. MultiMate features very fast full-screen response, equal to that of large systems, and is completely key (not command) driven. All the system facilities are available through self-prompting menu screens, making it extremely easy to create and edit your documents. Advanced features include on-screen highlighting, a powerful merge function, customized printer control codes and defaults, and the capability to print one document while you're editing another. Ideal for writers, managers, secretaries—or anyone who has been using a typewriter. Requires 256K.
26-5330 . . . . 249.95

Complete System

4136⁰⁰

Less Software

Commercial Lease Available
For Only $145 Per Month
(Plus Applicable Use/Sales Tax)

System includes Tandy 2000 Computer (26-5103), Internal 128K RAM Kit (26-5160), VM-1 Monitor (26-5111), DWP-210 Daisy Wheel Printer (26-1257) and cable (26-4401). Ideal for MultiMate (not included).

Model 2000 Software for Personal and Home Use

The Home Accountant Plus™. This program's ease of use, power and versatility have made it the number one best-selling home finance package in the country. For instance, you can print a net worth statement and a personal finance statement on request—so you know your exact financial standing, every day of the year. It will even print your checks, automatically. The Home Accountant also lets you label every transaction you make. When tax time comes around, you'll have every penny you've spent and earned neatly listed by category, and available at the touch of a button. Also displays a bar graph and trend analysis for any selected budget category. Requires 256K.
26-5340 . . . . 124.95

Videotex Plus. Tune in a world of information—instantly! This deluxe communications program lets you access major information networks like CompuServe® and Dow Jones News/Retrieval® by phone. Advanced features and automatic log-on reduce on-line time and save you money. The RAM buffer lets you save information on disk for later viewing, editing or transmission. You can easily make hard-copy printouts. And there are user-programmable function keys for frequently-used commands. There's even an option that lets you use the auto-dial feature found on many modems. Includes one free hour on both CompuServe and Dow Jones. Requires telephone interface. 26-5260 . . . . 49.95

Fun Adventure Games. Enter a fascinating prose universe with these challenging games from Infocom™.

The Witness™. You must solve the crime in this hard-boiled Thirties whodunit thriller. 26-5376 . . . 49.95

Planetfall™. A sci-fi adventure set in the far future. You're trapped on a deserted planet with a mischievous robot. Together, you will unravel its mysteries. 26-5377 . . . . 49.95

MAI/Basic Four® Small Business Accounting Programs
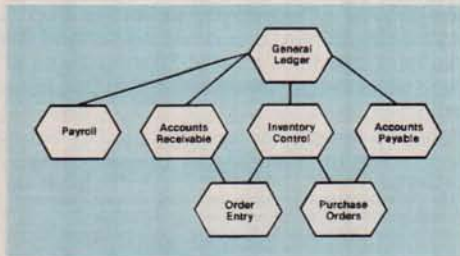
Now Available for the First Time on a Microcomputer!

Already proven in thousands of minicomputer applications, Basic Four's integrated software is just what small businesses have been waiting for. Clear, concise documentation will have you speeding through tasks that before took days to complete. The commands and menus for the programs are similar, so if you learn one, you've practically learned them all.

General Ledger. Provides you with accurate, up-to-the-minute financial statements. Conforms to established accounting principles and maintains a complete audit trail. You can automatically distribute expenses to different departments in the company. Prints trial balance, income statements and balance sheets complete with comparisons with prior year activity and budgets. Special transaction codes let you link it to other MAI/Basic Four accounting modules.
26-5210 . . . . 495.00

Accounts Receivable. Tells exactly how much your customers owe and when the amounts are due. Statements are printed automatically at the end of a period or on demand. Automatically calculates late charges to selected customers at user-defined rate. You can even enter after-the-fact sales transactions or print invoices. 26-5213 . . . . 495.00

Accounts Payable. Improve your cash management! Choose either cash or accrual basis of accounting. Lets you know how much you owe each vendor and when the amounts are due. You select invoices automatically for payment. The system tracks discounts for prompt payment. Prints cash requirements analysis, a monthly disbursement register, aged invoice reports and full audit trails. Also provides for bank reconciliation and check reversal. 26-5212 . . . . . . 495.00

Inventory. Increase inventory turns. Tracks quantity on hand, reorder point, last issue and receipt dates, unit cost and unit price. Choose LIFO, FIFO or average cost for valuing inventory. Easy data entry. 26-5214 . . . . 495.00

*Purchase Order. 26-5217 . . . . 395.00
*Order Entry. 26-5215 . . . . 495.00
*Payroll. 26-5218 . . . . 495.00

*Will Be Available for the Tandy 2000 Over the Next Six Months

7

NEW LOW PRICES! TRS-80 MODEL 16B

256K 1-Disk

Priced From **3999**⁰⁰ Was $4999.00
Cat. RSC-10

Commercial Lease Available for Only $140 Per Month
(Plus Applicable Use/Sales Tax)

- 256,000 Characters of Internal Memory—Expandable to 768,000 Characters
- Includes TRSDOS Single-User and TRS-XENIX™ Multi-User Operating Systems
- Choose One or Two Built-In 1,250,000-Character 8″ Floppy Disk Drives or Our New Powerful System With One Floppy Drive and 15-Megabyte Hard Disk Built-In
- Unique Dual-Processor Design ■ Four Internal Plug-In Expansion Slots

Accomplish Complex Tasks With Ease. The TRS-80 Model 16B puts superior performance in a compact desktop system! Advanced 16/32-bit technology permits the Model 16B to utilize much more memory and process data at much higher speeds than 8-bit micros. And now it features additional memory, easy user expansion and the TRS-XENIX multi-user operating system that lets you turn Model 16B into a three or six-workstation office system (see page 5). You can even choose Model 16B with a built-in 15-megabyte hard disk system!

Who is the Model 16B for?

Everyone who wants the most advanced microcomputer technology at their disposal needs the TRS-80 Model 16B. It's ideally suited for today's offices, providing simultaneous job-handling *without* the expense of multiple computers. It offers the high operating speeds and large memory capacity that many business users require. And it can handle complex, computation-intensive jobs and highly sophisticated programs that only a 16-bit computer can.

Advanced 16/32-Bit Technology. Model 16B is designed around a state-of-the-art 68000 microprocessor that accepts 16-bit data and processes it internally as 32-bit "words". A second microprocessor—the Z-80A—handles input/output and a variety of other "housekeeping" chores.

Software Compatible With Model II/12. Model 16B can use existing Model II/12 software (in the single-user mode only), plus new software designed to take advantage of Model 16B's advanced features.

Expandable. Two RS-232C serial communication interfaces and a parallel printer interface allow expansion with a variety of peripherals. Add high-resolution graphics, additional memory and more via the user-accessible card cage. Expand with up to four external 15-megabyte Hard Disks for over 60 million characters of storage.

Deluxe Features. Model 16B includes a high-resolution 12″ green video display with 24 lines of 80 characters, and a detachable typewriter-style keyboard with numeric keypad and 8 function keys. You can choose Model 16B with either one or two built-in 1,250,000-character double-sided, double-density 8″ slim-line disk drives.

256K 1-Disk Model 16B. 26-6004 . . 3999.00
256K 2-Disk Model 16B. Was $5798.00 in Cat. RSC-10. 26-6005 . . . . 4699.00
New Low Price! 256K Model 16B With Built-In Hard Disk. Includes self-contained 1.25-megabyte 8″ floppy disk drive *and* a 15-megabyte hard disk drive. Add one external hard disk for a total of 30 megabytes of hard disk storage! Was $6999.00 in Cat. RSC-10. 26-6006 . . . . 6499.00
NEW! 15-Megabyte Hard Disk Kit. For 1-disk Model 16B or 1-disk Model 12 computers. 26-4154 . . . . 2495.00

8

TRS-XENIX™ MULTI-USER SYSTEM

Complete 3-Workstation Office Computer System

Only $270 Per Month*

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

- **Allows Three Operators to Access Different Programs Simultaneously**
- **XENIX Operating System Derived From Western Electric's UNIX™**
- **Specially-Designed Multi-User Software Available Now**

Ideal for Small Business Applications. TRS-XENIX lets you provide the power of the Model 16B to three people in your office without buying three separate systems. Think of it. Three people. All performing different tasks, all at the same time, on the same computer! And with the addition of the new 3-User RS-232 Card (below), up to six people can utilize the Model 16B!

A Complete Office System for $7897.* The system shown includes the 256K TRS-80 Model 16B with built-in 15-megabyte Hard Disk Drive (26-6006) and two of our DT-1 Data Terminals (26-6050). This complete system costs much less than buying three Model 16B computers!

What Makes It Possible? The TRS-XENIX Multi-User Operating System is a state-of-the-art operating system that comes with every TRS-80 Model 16B. It was developed by Microsoft Corporation, and is derived from Western Electric's thoroughly field-tested UNIX operating system. Fur-

thermore, it's simple to set up a multi-user system. The TRS-XENIX "core" (or run-time package) includes the modules required to easily implement and operate this powerful system.

The Value of Shared Resources. Using TRS-XENIX, all data can be conveniently stored on the Model 16B's hard disk. Files can then be shared by all users in the system, or restricted to certain users. (Record locking prevents two users from writing to the same record at the same time.) And everyone in the system can share the peripherals attached to the Model 16B—from printers to plotters to modems.

Specially-Designed Software. Think of the possibilities. Your sales department could check inventory levels while someone in accounting updates your general ledger—at the same time someone is working on payroll! And there is now a variety of multi-user software for your business needs. (Note: Some software requires 384K with 3 users.)

*Price does not include required cables and installation

Expansion Options for Model 16B and the TRS-XENIX System

Internal Memory Expansion

The Model 16B comes with a 256K-byte RAM board. A 128K memory board may be added, complete with the provisions to add a 128K "chip kit". Add even a third board and chip kit to expand memory to 768K.

New Low Price! 128K Memory Board. Was $599.00 in Cat. RSC-10.
26-6011 . . . . 399.00*

New Low Price! 128K Memory Kit. Was $299.00 in Cat. RSC-10.
26-6012 . . . . 159.00*

TRSDOS Diskette

Model 16B's TRSDOS operating system is virtually "library command" compatible with our TRS-80 Model II/12 TRSDOS. Includes Editor/Assembler for assembly language program development in single-user applications.

Replacement Diskette Only.
26-6105 . . . . 39.95
*Price does not include required installation.

New! RS-232 Card Allows Larger TRS-XENIX System

Doubles System Efficiency! Now you can give *six* people in your office the power of the Model 16B! The new 3-User RS-232 Card is a printed circuit board that installs in one of the plug-in card slots in a Model 16B or upgraded Model 12. Connectors are located on the RS-232 Card, giving you the ability to add three more individuals to a TRS-XENIX office system.

Cost-Effective Way to Increase Productivity. With the 3-User RS-232 card, six users can have their own low-cost data terminals for keyboard applications—and can conveniently share files located on the hard disk, as well as the peripherals attached to Model 16B.

Greater Business Control. Using the 3-User RS-232 Card and Model 16B's multi-user software, you could have a complete interactive accounting operation with users simultaneously accessing six different accounting programs. That means you could run the general ledger, accounts receivable, accounts payable, payroll, order entry and sales analysis programs all at the same time. You'll get your tasks accomplished faster and more efficiently!

3-User RS-232 Card. Requires a minimum of 512K memory (768K recommended). Requires installation, not included. 26-6013 . . . . 299.00

TRS-XENIX Memory Requirements and Recommendations

With three users, most TRS-XENIX applications will run effectively with a minimum of 256K memory. With some applications, three operators accessing large programs may require 384K memory and, in such cases, we recommend 512K. When more than three users are accessing large programs, 512K memory is the minimum requirement and users will obtain better performance with 768K. In general, more memory means higher performance.

9

NEW LOW PRICES! MODEL 12 COMPUTER

80K 1-Disk

Priced From **2799**⁰⁰ Was $3199.00 in Cat. RSC-10

Commercial Lease Available For Only $100 Per Month (Plus Applicable Use/Sales Tax)

- One or Two Built-In 1.25Mb Double-Sided, Double-Density 8" Disk Drives
- Big 80K Memory Handles Tough Jobs Easily ■ Upgradable to 16-Bit Power
- Detachable 82-Key Keyboard with Numeric Datapad and Eight Function Keys
- Built-In 12" High-Resolution Monitor Displays 24 Lines of 80 Characters
- Two RS-232C Serial Interfaces and Parallel Printer Port for Expansion
- Choose Ready-to-Run Programs ■ Compatible with All Model II Software

TRS-80 Model 12. An ideal single-user business microcomputer. It's a stand-alone multi-purpose workstation that combines high power with low cost. It has the storage capacity and expandability that make it the right computer for countless applications, and for both small businesses and departmental use in large businesses.

Who is the Model 12 for?

The TRS-80 Model 12 is our best single-user business computer—ideal for professional applications. Its versatility and power in handling word processing, data base filing, planning and accounting tasks make it the logical business machine choice. The Model 12 is also the ideal workstation for large corporations. It can be used as a management assistant, in program development, even for bisynchronous communications with mainframe computers.

Accounting. Model 12 can streamline general ledger, payables, receivables, inventory, payroll and other tasks for increased speed and accuracy. It can prepare P&L statements, speed up collections, improve your cash flow, analyze sales information, and more. Our user-oriented programs make it easy.

Program Development. We offer a choice of languages to meet your specific requirements. In addition to Model 12 Interpretive BASIC, we have Compiler BASIC, FORTRAN, Assembler and COBOL.

Management Assistant. Model 12 can help you with planning and forecasting, word processing, electronic filing and more. It lets you do jobs too "hot" for shared computer time ·or too small for cost-effective handling by your company's mainframe.

Easy Expansion. Model 12 can be used with a variety of peripherals. Add hard disk or floppy disk drives, a printer, plotter, digitizer, modem and more.

Complete Documentation. Includes comprehensive reference manual and a diskette that contains BASIC and TRSDOS operating system. U.L. listed.

1-Disk Model 12. 26-4004 . . . . 2799.00
2-Disk Model 12. Was $3999.00 in Cat. RSC-10. 26-4005 . . . . 3499.00
TRSDOS 4.2 Replacement Diskette. Includes BASIC. 26-4912 . . . . 24.95

Model 12 Specifications

Microprocessor: 4MHz Z-80®A 8-bit processor. Separate keyboard and video processors. Direct memory access and vectored interrupts. **Memory:** 80K RAM. **Keyboard:** 82-key professional-type, including numeric entry keypad. Special keys include HOLD, ESCape, BREAK, CRTL, CAPS and REPEAT. Up, Down, Right and Left arrow keys. Eight programmable Special Function keys (F1-F8). **Video Display:** High-resolution 12-inch green phosphor 80 × 24 or 40 × 24 display monitor. Displays upper and lower case characters with descenders, plus 32 "business graphics" characters. Automatic scrolling. Partial screen scroll protect available. **Disk Drive:** One to two built-in dual-density 8" floppies. Add up to two 1.25-megabyte external floppies and four optional 12-megabyte hard disks. **Internal Expansion:** Optional Card Cage (requires installation) for six additional plug-in card slots. **External Connections:** One standard parallel port, two RS-232C serial ports, one external disk bay port. **Dimensions:** 13¹/₂ × 21¹/₂ × 28¹/₈". **Power Requirement:** Built-in filtered power supply for 120VAC, 60 Hz.

10

MODEL II/12/16 EXPANSION OPTIONS

Card Cage for Your Model 12

199⁰⁰

Mounts Inside Model 12's Case

The Model 12 Card Cage gives the TRS-80 Model 12 computer tremendous expansion flexibility. The Card Cage provides six plug-in slots for inserting our optional expansion boards. That means you can tailor your system at any time to the power and capability you need. For example, you can add our powerful Model 16 Upgrade Kit and 64K Memory Expansion Board (below). Additional slots allow you to insert the new Radio Shack Arcnet™ board for high-speed local networking, our High-Resolution Graphics Board for creating detailed on-screen charts and graphs, or controller board for hard disk operation. Access door on back of the "cage" for easy installation. (Card Cage and optional expansion boards require installation, not included.)
26-6017 . . . . 199.00

Model II/12 Upgrade Kit
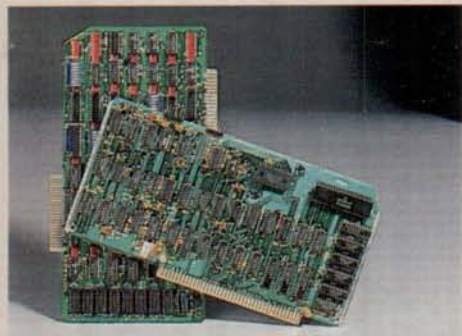
New Low Price! Upgrade your Model II or 12 to the power of a Model 16! This upgrade maintains software compatibility, allows use of Model 16 software, and supports multi-user operation. Kit contains the MC68000 16-bit microprocessor and a 128K memory board, expandable to 256K. Model II retains existing video and disk drive with a maximum of 512K internal memory (768K for Model 12). Installation required (not included). Was $1499.00 in Cat. RSC-10.
26-6010 . . . . 899.00

64K Memory Expansion

Memory board gives Model II/12 the capacity to generate much larger worksheets when using the Enhanced VisiCalc program (page 14). Memory not usable by all software. Installation required (not included). 26-4105 . . 399.00

Easy Disk Expansion for Increased Storage

Thin-Line Disk Bays For Models 16 and 12

1-Drive

1299⁰⁰

2-Drive

2098⁰⁰

Provide Up to 2.5 Megabytes of Additional Storage for Your Applications and Data
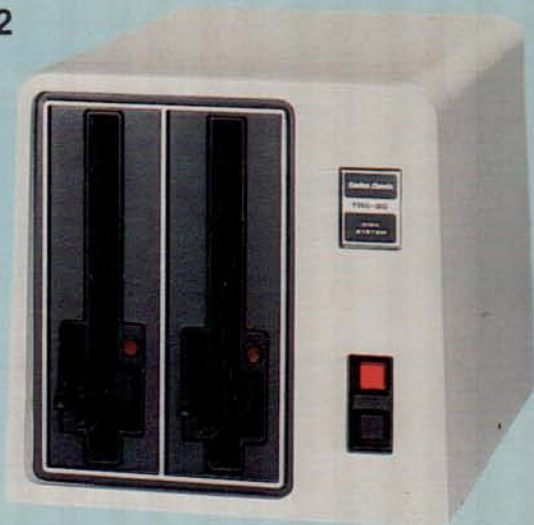
External Disk Expansion

Your Model 12 or Model 16 can be easily expanded with one or two External Floppy Disk Expansion Units. Each drive adds 1.25 megabytes of data and program storage. The drives are double-sided, double-density, thin-line 8" floppies resembling those built into the Model 16 and Model 12 computers. You can choose the one drive unit and expand to a second drive at any time by adding the Disk Drive Kit (26-4167) at right.
1-Drive Unit. 26-4165 . . . . . 1299.00
2-Drive Unit. 26-4166 . . . . . 2098.00

Internal Disk Expansion

You can add a second disk drive to a single-drive TRS-80 Model 16 or Model 12 at any time, and have a total of 2.5 million characters of high-speed "on-line" disk storage on interchangeable 8" floppy diskettes. Each double-sided, double-density disk drive is enclosed in the case of the Model 16 or Model 12, and each provides 1.25 million characters of disk storage for user programs, data files and the Disk Operating System.
Disk Drive Kit. Installation required, not included. 26-4167 . . . . . . 799.00

TRS-80 Model II Disk Expansion Units

Priced From 749⁰⁰

Gives You the On-Line Storage That You Need

For more disk storage, just plug in an external Disk Expansion Unit—available with one, two or three 8-inch disk drives. Each drive adds about 486,000 characters of on-line storage.

1-Drive System.
26-4160 . . . . 749.00
2-Drive System.
26-4161 . . . . 999.00
3-Drive System.
26-4162 . . . . 1499.00

Disk Kits are available to expand 1 and 2-drive systems. Inquire at your nearest Radio Shack Computer Center or the Expanded Computer Department of participating stores and dealers.

SPECIFICATIONS. Number of Drives: 1 to 3 (8" disk drives). **Format:** Track 0—system information; Tracks 1 through 76—26 sectors, 256 bytes per sector (double density, single-sided). **Data Transfer Rate:** Double density, 500 kilobits/second. **Disk Speed:** 360 RPM. **Latency:** 83 ms, average. **Track Access Time:** 260 ms average, 10 ms track-to-track. **Dimensions:** 11¹⁄₂ × 18¹⁄₂ × 21". **Power:** 120VAC, 60 Hz, 150 Watts. U.L. listed.

HARD DISK FOR MODELS 16, 12 AND II
Our 15-Megabyte Hard Disk Drive Forms a Powerful TRS-80 System
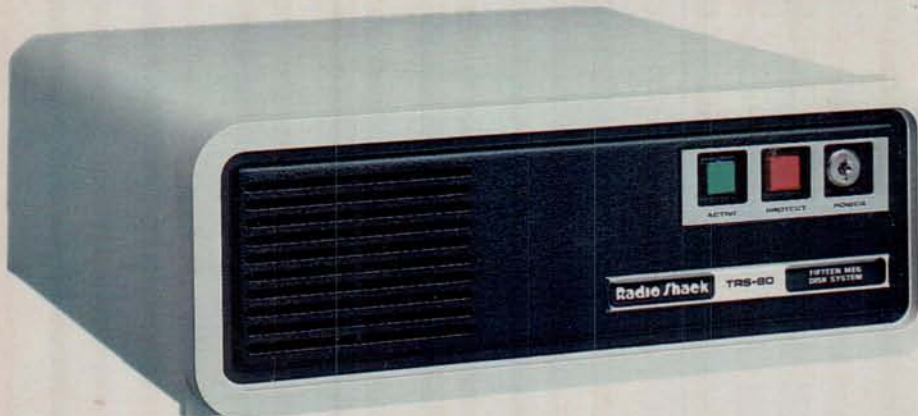
NEW FOR '84 Primary Hard Disk and System Installation Kit **2990⁰⁰***

Secondary Hard Disk System **1995⁰⁰***

- Extremely Fast Access to Programs and Data Through Winchester Technology
- Compatible With Most TRS-80 Model II, 12 and 16 Software
- Add Up to 3 More Hard Disk Systems for Over 60 Million Bytes of Storage

Get immediate access to vast amounts of data—up to 15 million characters! Ideal for large inventory control, accounting and data base management. Easily expand with up to three "secondary" drives, too. Most Model II, 12 and 16 programs transfer directly to hard disk. And it's compatible with our multi-user operating system or TRSDOS.

(Note: Not compatible with our 8-megabyte drives.)
Primary Unit. Requires Installation Kit below. 26-4155 . . . . 2495.00*
Model II/12 Installation Kit. Primary Unit Only. 26-4157 . . . . 495.00*
Secondary Unit. 26-4156 . . . . 1995.00*

SPECIFICATIONS. A 3-platter, 6-surface 5¹⁄₄″ disk drive employing sealed media with a self-contained, recirculating filtered air system. **Formatted Capacity:** Primary drive—14.6 megabytes, Secondary drives—15 megabytes each. **Disk Format:** Each disk surface has one movable read/write head to access 306 tracks on that surface. A 6-track cylinder is accessible under all 6 heads with a single seek. **Data Transfer Rate:** 5 megabits/second. **Disk Rotation Speed:** 3600 RPM. **Latency:** 8.3 milliseconds (average). **Track Access Time:** 3 milliseconds (track-to-track). **Dimensions:** 5¹⁄₂ × 14 × 15″ **Power:** 120VAC, 60 Hz. U.L. listed.

Secondary 8-Megabyte Hard Disk Drive

Good news for 8.4-Megabyte Hard Disk owners! Now set up a powerful system at a very affordable price. Add up to three secondary drives for over 33 million characters of storage. Secondary Hard Disk is compatible with Model II, 12 and 16 software. (Note: Not for use with our 12 or 15 megabyte hard disk drives). 26-4151 . . . . 1995.00*

1995⁰⁰*

Access Over 8 Million Characters!

High-Resolution Graphics for Model II/12/16
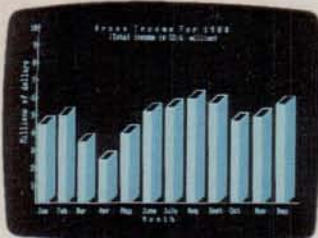
499⁰⁰*
- Turns Your Video Display Into a "Graphics Blackboard"
- Easy-to-Use Graphics BASIC
- 153,600 Picture Elements

Add Versatility to Your TRS-80. Our TRS-80 Graphics Option with Graphics BASIC language lets you use your TRS-80 screen as a "sketch pad" for the creation of sophisticated tables, charts, graphs, illustrations, geometric patterns, maps and much more.

High Resolution. Designs are executed in fine detail. The screen is composed of 153,600 picture elements, or "pixels". That's 640 points horizontally by 240 points vertically!

Simple to Use. Using the "paint styling" mode, you can fill in broad areas of the screen with a variety of patterns. The "line styling" mode gives you "point-to-point" graphics options that let you draw any line at any angle with just one BASIC statement!

Easy to Learn. If you already know TRS-80 Model II/12/16 BASIC, Graphics BASIC will be a snap because you need to learn only eleven new commands! With them, you can even create animation and motion!

Summary of Graphics BASIC Commands
CIRCLE—Draws a circle, arc or ellipse.
CLS—Clears a character or screen.
GET—Reads the bit-pattern on the screen into an array for alteration and future use. Used in animation.
LINE—Draws a line between points.
PAINT—Paints area in a specified style.
POINT—Checks if a point is on or off.
PRESET—Turns a pixel on or off.
PUT—Puts contents (bit pattern) of an array onto screen. Used in animation.
SCREEN—Speeds display in painting and motion. Turns graphics screen on or off.
VIEW—Defines block coordinates.
VIEWPORT—Draws a viewport, which then becomes the current graphics screen.

Fast Installation. The Graphics BASIC board contains 32K memory to store graphics data. It's installed in an unused slot of your Model II, 12 or 16. Includes user's manual, 8″ diskette with Graphics BASIC and subroutine library. 26-4104 . . . . 499.00*

Business Graphics Pak

NEW FOR '84 **249⁰⁰**

- Easily Create a Variety of Charts
- For TRS-80 Model II, 12 and 16

Graphics Make Dull Data Come Alive. Give your reports the graphics advantage with our Business Graphics Analysis Pak! It lets you get your point across—reveal trends, make comparisons clearer and show patterns that may be hidden in columns of figures.

Easy Data Manipulation. Just enter your data—the program then generates your chart. Choose from pie, bar, line or scatter charts. Your graph is immediately displayed on the video screen for editing. The program will develop settings and labels for your charts—or you can tailor them yourself. Entry, editing and format settings are a breeze because they're "menu-driven". New data can be added or values changed and the new chart viewed again before printing. You can even perform simple arithmetic or complex trend, growth, moving average, consolidation or logarithmic operations.

Produce Professional Graphs Quickly. Enter data from the keyboard or from disk files—including the VisiCalc® planning program. Choose line type, shading, stacked or grouped bars and a frame with just a few keystrokes. Produce charts on selected Radio Shack printers or multi-pen plotter.
Business Graphics Analysis Pak.
26-4550 . . . . 249.00

12   *Price Does Not Include Required Installation. Model 12 Requires Card Cage.

RADIO SHACK ARCNET™ OFFICE SYSTEM
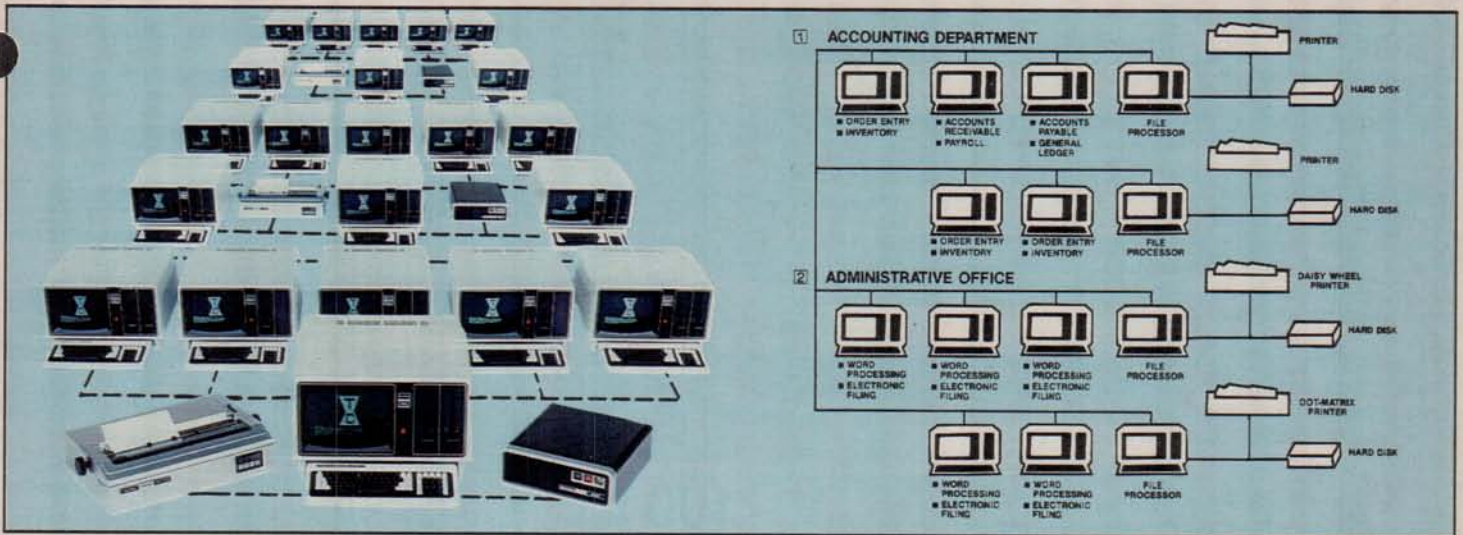
Arcnet Local Area Network. Radio Shack's Arcnet (or **A**ttached **R**esource **C**omputer **Net**work) is the high-performance local area network for TRS-80 computers, peripherals, software and information. With Arcnet, you can link up to 255 Model 12 and II computers for effective, large-scale operations. Office personnel can share hard disk files, printers and other accessories—and gain all the advantages of up-to-the-minute shared information! And Arcnet is highly reliable, because it's based on Datapoint Corporation's customer-proven ARC™ local network technology.

How Arcnet Can Work for You. Let's say you're maintaining customer, sales and inventory records on a TRS-80 computer with printer and hard disk, and several sales or managerial people need fast access to up-to-the-minute status. Up to 255 TRS-80s can be tied into an Arcnet system to utilize the same disk files and even the same printer. But in addition to sharing files, each user now has the benefit of his or her own computer system (including space on the hard disk for files), so other functions can be performed—electronic filing, word processing and so on. And all files on the hard disk are available to any user. Confidential files can, of course, be restricted.

Easy-Growth System. In this Arcnet system, you can increase your processing ability significantly without the cost of printers or hard disks for each additional user—and without any reprogramming. You can continue adding TRS-80s to the network in affordable steps—and without downtime—to meet the needs of your growing business. (See Illustration 1 above.) This system could easily tie into an administrative office word processing system (see Illustration 2) where five workstations are sharing the resources of two printers. Your entire company now has a common database accessible to all users!

Expand to the Power You Need. The smallest practical Arcnet system consists of three computers. Two workstations—called applications processors—can be connected to share the large hard disk file of the third TRS-80—known as a file processor. As you exceed the capacity of this three-computer network, simply plug in another applications or file processor.

Installation Is Simple. Arcnet consists of three hardware components. First, the Arcnet board is needed in each computer—it installs in an existing card slot in the rear of the TRS-80 Model 12. When using Model II, you will also need a 16K Z-80® Memory Expansion Board if the Model II has not been used with a hard disk. The second element is the Coaxial Cable. One end is plugged into the computer, the other end goes to the third component, the "Hub". (See hardware information below).

Arcnet Board. Includes Applications Processor software and user's guide. Installation required (not included).
26-6501 . . . . 399.00

Arcnet File Processor Software. Includes software, operation manual and system manager's manual. Only one package required per system.
26-6502 . . . . 499.00

Arcnet Hubs

Arcnet Cable

A Active Hub. Connects up to seven Applications Processors to one File Processor. Total cable length between a computer or Active Hub and any other computer or Active Hub can extend up to 2000 feet. Active hubs can be linked for a system spread of up to four miles. U.L. listed. 26-6508 . . . . 995.00

B Passive Hub. Connects up to three Applications Processors to one File Processor. Cable length between Applications and File Processors can extend up to 200 feet. (Two passive hubs cannot be connected in series.)
26-6504 . . . . 79.00

16K Z-80 Memory Expansion Board. For Model II previously not used with hard disk. 26-6503 . . . . 189.00

C The Arcnet RG62 coaxial cable is an ideal medium for the high-speed transfer of data. It interconnects the Applications Processors, Hubs and File Processors. All cable features a braided copper shield and a solid copper center conductor. Choose from complete assemblies with industry-standard BNC connectors. Cable is also available by the foot.

20 Ft. 26-6510 . . . . 15.95
50 Ft. 26-6511 . . . . 24.95
100 Ft. 26-6512 . . . . 39.95
Bulk. 26-6513 . . . . Per Foot/21¢
BNC Fitting. 278-104 . . . . 2.29
BNC/BNC Coupler. Allows connection of cable assemblies.
278-115 . . . . 3.29

Model 12 Requires Card Cage. Hard Disk Requires Installation. Available Only at Radio Shack Computer Centers.

13

OFFICE SOFTWARE TO SAVE YOU TIME

SCRIPSIT® Word Processing

Speeds up any job you're now doing on a typewriter. It's easy to learn and use, with "plain English" prompts and menus that put advanced editing capabilities at your fingertips! Letters, reports and manuscripts can be written and edited right on the video display. Then, depending on the optional printer you choose, you can print as many correction-free originals as you want at up to an incredible 500-plus words per minute. Frequently used reports, forms or paragraphs can be stored on disk for use again and again—and updated at any time. SCRIPSIT includes automatic block moving and duplication, easy page numbering and renumbering, and an information line that keeps track of cursor position, margins, line spacing and page number. A Global Search mode will locate a specified word wherever it occurs in text for selective editing. Floating format and reverse indentation make it easy to set up tables and special formats. You can define up to 20 keys to reprint words and phrases or to access special functions. Store up to 11 often-used formats which you can select with a few keystrokes. SCRIPSIT's "background" feature even lets you print one document while you're typing or editing a different one. Stores up to 320,000 characters on each diskette with a one-disk Model II/12 system—plus up to 400,000 characters on each additional drive you add. Greatly increase capacity with a hard disk. Load and store ASCII text files, too. Includes superb manual and self-paced training course on audio cassette tape.

Model II Floppy Disk. 26-4531 . . . . 399.00
Thin-Line Floppy, Model II/12 Hard Disk. 26-4835 . . . . 399.00
Model 16 Multi-User. 26-6431 . . . . 499.00

SCRIPSIT Spelling and Hyphenation Dictionary

This automatic "proofreader" program for SCRIPSIT checks and displays your text on the screen, highlighting misspelled words for correction. Contains over 100,000 words, abbreviations, proper names, contractions and foreign words with hyphenation points. You can add up to 2000 words that are used in your profession—medical, legal, engineering, scientific terms, etc. Requires SCRIPSIT word processing software and one additional disk drive.

Model II Floppy Disk. 26-4534 . . . . 199.00
Thin-Line Floppy, Model II/12 Hard Disk. 26-4834 . . . . 199.00

New! SCRIPSIT Utilities

This enhancement allows you to move columns of text and numbers quickly and easily, as well as provide totals, subtotals and averages of numerical columns directly from SCRIPSIT. You can also copy often-used standard paragraphs stored in a special "boilerplate" utility without having to leave the document you're currently working on. A communications utility lets you transmit and receive documents to or from another Model II or 12 SCRIPSIT system by phone (requires modem) or directly using an RS-232C cable and a null modem adapter. 26-4532 . . . . 129.00

**Only $190 Per Month
On Our Commercial Lease**
(Plus Applicable Use/Sales Tax)

This system is only $5533.00 and includes a 2-Drive TRS-80 Model 12 (26-4005), Daisy Wheel II printer (26-1158) and Cable (26-4401). Ideal for word processing (software extra).

SCRIPSIT Plotter Driver

Now you can add a vivid dimension of clarity to your text and overhead projector transparencies. This program lets you use SCRIPSIT to output to our TRS-80 Multi-Pen Plotter. Print nine character sizes in six colors—red, black, blue, green, violet or orange. Draw boxes around your text, straight lines, underlines, superscripts and subscripts. Simple commands let you easily change character sets, determine character size, and switch color pens. Move one-half space in any direction or backward a full space. Supports all plotter text-oriented features, plus character and word-incremental justification. Requires SCRIPSIT word processing software and TRS-80 Multi-Pen Plotter. 26-4536 . . . 49.00

VisiCalc® Enhanced

An expanded version of the original VisiCalc, this enhanced VisiCalc is an amazingly efficient management planning tool with a wide variety of applications—from corporate finances to engineering work to sales projections. Now you can throw away those old pencils, erasers, calculators and columnar pads! VisiCalc does in seconds what these tools took all day to do! With VisiCalc, the video screen becomes a window through which you view a section of an electronic "worksheet" organized in columns and rows. In each "entry position" you can insert a description, number or formula. VisiCalc goes to work when you alter a number previously "written" on your worksheet—the program instantly recalculates every affected item! Provides an effective way to predict the results of important "What if?" studies. An entry editor speeds worksheet preparation by allowing you to modify formulas and labels without re-entering them. Logical and comparison operators let you perform testing and branching. Built-in math functions permit speedy solutions to complex engineering problems. Produce simple graphs and save your model on disk for future use. Add a printer and you can print any portion of your worksheet. With an additional 64K memory board, you can produce even larger worksheets. (Memory board is not required for owners of Model 16 or Model II/12 equipped with Model 16 upgrade). 26-4521 . . 299.00

New! Multiplan™

A "Second Generation" Electronic Worksheet

A truly sophisticated, yet incredibly easy-to-use decision support tool. Multiplan lets you consolidate related worksheets so that information is transferred between them automatically. For example, your company's sales forecast can be updated automatically whenever you change the data in any worksheet containing your regional sales figures.

"Plain English" Convenience. All prompts are full length words or phrases. Plain English names can be assigned to any column, cell or area, so that formulas can be expressed as "Gross Profit = Sales – Cost." If you have any questions, an On-Line Reference Guide gives you instant help—it knows where you are in Multiplan and offers information related to your problem, right on the screen.

Advanced Features. With Multiplan, up to eight display windows can be created on the screen simultaneously. Sorting can be performed in alphabetical or numerical order. Cells can be set up individually, by row, column, block—or globally. Cell entries can be left or right justified, and can display values in graph form or as integers. You can vary individual column widths, center numbers and text within a column and align decimals. Format reports with user-selected top, bottom and side margins, row and column numbers, and more. Multiplan can directly utilize your current VisiCalc files, too. Includes tutorial manual.

Model II/12. 26-4580 . . . . 249.00
Model 16 Multi-User. 26-6480 . . . . . 349.00

LET PROFILE® SIMPLIFY YOUR FILING

Profile II Electronic Filing

One of our most popular programs! It's an electronic filing system that lets you design your own database and search through your records to find just the files you want in seconds! Keep track of names and addresses, accounts, bills owed and paid, personnel or customer records and more. Profile II files can be searched by up to 36 user-defined criteria! You specify the way your files are set up and how information appears on the screen and in printed reports. Store up to 99 data fields in a single record, and print up to five different reports for each file, including automatic page numbers, current date and column totals. Stores up to 3000 records with a one-disk Model II/12 system, up to 20,000 with additional disk drives.
26-4512 . . . . 179.00

Profile Training. This informative package gives you a working knowledge of the endless capabilities of Profile II. You are guided through a carefully sequenced, step-by-step learning experience. Provides an excellent learning foundation for Profile Plus users, too. Four audio cassettes with an excellent 96-page manual and training disk.
26-4516 . . . . 69.00

Profile Plus. An expanded version of Profile II with a number of sensational "extras" for greater flexibility. Allows arithmetic operations between fields—up to 16 equations of 63 characters each. This advanced math pack can be used to perform such functions as extensions, calculating taxes, subtotals and totals. Instantly switch between any of your five screens and display various portions of an individual record. Create customized menus that require only a single keystroke for execution. Index your file in logical order for high speed access to records. When performing a search, Profile Plus will scan all associated fields for the type of information you want. Selectable record lengths prevent wasted disk space and increase the maximum number of multi-segment records. Insert and delete lines during screen creation and report formatting. A "type-ahead"

Profile II Filing Systems—Easy to Create and Use

Define a Screen Layout

Define a Report Format
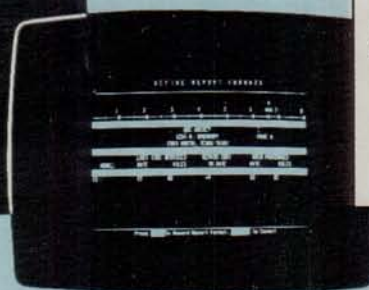
Get a Printed Report

feature lets you continue entering keystrokes even while other functions are being executed! 26-4515 . . . . 299.00

Profile Upgrade. For owners of Profile II. Adds all of the features of Profile Plus.
26-4517 . . . . 120.00

Profile Archive. A practical program that lets you purge inactive records from any file in Profile Plus. Deletions can be performed based on up to 16 criteria. You have the option of listing the deleted records to a line printer and/or merging them into a separate archive—or history—file. 26-4557 . . 49.00

Profile Forms. This enhancement program for Profile Plus lets you print one detailed record per sheet on each item in your file, rather than Profile's normal one or two line listing on multi-item reports. Each form can be up to 132 characters wide and up to 66 lines deep. Up to five different formats per file can be maintained. Supports $1/2''$ line feed and special characters (depending on printer used). Intermix text and Profile data.
26-4556 . . . . 125.00

Profile Prosort. High-speed indexing program for Profile Plus that allows you to sort and select records from any one segment of a file at a time. You can sort on one field with sub-sorts on four additional fields, ascending or descending. Select records using up to 16 selection criteria. You can create up to five indexes for reports and one index for video inquiry. 26-4558 . . . . 149.00

NEW! Profile Lookup. Turns Profile Plus into an automatically cross-referenced system. Lets you enter or extract data in up to five different data bases at once, and writes it into records, reports, forms and labels.
26-4559 . . . . 199.00

Menu Generator. Now you can create menus in machine code for BASIC or COBOL programs—or special individual applications. It's perfect for the TRS-80 Hard Disk owner who has numerous applications on line at one time. You can create a "master" program menu, or even a menu of menus. Allows 12 selection items per menu.
26-4555 . . . . 39.00

New! Multi-User Data Base Systems for the TRS-80 Model 16

Profile Multi-User

Designed for the TRS-80 Model 16, Profile Multi-User combines all the great features of Profile Plus, the Profile utilities and more new features into one powerful program. It's so versatile it can be used for a multitude of business applications, including advertising and direct response sales tracking, insurance form printing, tax records, stock inventory, customer invoicing, building maintenance files, buyers' guides and directories and much more.

Powerful New Features. Profile Multi-User allows several operators to look at, update and use the same file at the same time. (Individual records are protected from change by more than one person at a time.) It will rearrange data automatically to fit whatever new format you may select. And it allows you to do "conditional math" operations. For instance, suppose you want to figure multiple discounts on sales orders. If an order between $1000 and $4999 qualifies for a five percent discount and one between $5000 and $9999

qualifies for a ten percent discount, Profile Multi-User will determine which discount to apply and automatically perform the operation. Profile also allows for "conditional processing". If certain criteria are met, Profile performs a certain operation, and if not, it does a different operation. Profile automatically keeps track of audit-trail information, too, such as the time and date of a record's last update and the operator who made the change. And Profile can watch for up to 200 errors or special cases, such as checking that a gender field contains either "M" or "F" or that an entry falls within the correct range (for example: "credit limit must be between $0.00 and $500.00".) It will also do "end-of-period" processing.

Increased Capacities. Profile Multi-User allows you to store up to 16 million records per file with up to 999 fields per record. And you can store as many as 4,608 characters in every record. Reports, labels and forms can be as long as 99 lines and as wide as 255 characters.

Profile Multi-User. Requires TRS-XENIX operating system.
26-6412 . . . . 499.00

New! Unify® Relational Data Base

Get the flexibility of mainframe computing on your Model 16! The multi-user Unify program is a menu-driven data base management program that provides the relational capabilities of linking data in multiple tables. You can retrieve data from your data base using "plain English" commands, either through the SGL mainframe query language or the flexible listing processor. For program development, Unify can be interfaced with the "C" or RM-COBOL programming languages. You save time developing applications because you can call in routines created through Unify. In addition, Unify lets you protect your data through passwords and access privilege limitations. Protect information at the data base, table, record or field level.
26-6415 . . . . 750.00

15

MULTI AND SINGLE-USER ACCOUNTING

Keep Your Business Up to Date And Maintain Greater Control

Only $255 Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

- Single-Disk TRS-80 Model 12 and Card Cage
- 15-Megabyte Hard Disk Drive
- High-Speed DMP-500 Printer and Cable

This complete TRS-80 Model 12 system is only $7322 and will run all of the programs below. Includes the 1-Drive Model 12 (26-4004), 15-Megabyte TRS-80 Hard Disk (26-4155), and Installation Kit (26-4157), DMP-500 Printer (26-1252), Cable (26-4401), and Card Cage (26-6017). Requires installation (not included).

Multi-User Software. Increase office productivity with our interactive Model 16 multi-user programs. They allow several people to perform different tasks simultaneously. For example, your sales department can check inventory levels while someone in accounting updates general ledger—at the same time someone is working on payroll.

Single-User Software. These deluxe programs can also form the heart of a superb dedicated accounting system—ideal for the small business which has one person that handles all the bookkeeping. The interactive capability of these packages allows easy, automatic update of each aspect of your firm's operation.

General Ledger

Superb "total" system that will interact with the Accounts Payable, Payroll and Accounts Receivable programs on this page. An easy-to-maintain control file allows you to use multiple profit centers. Reports include: Income Statement, Balance Sheet, Supporting Schedules, Chart of Accounts, Financial Statements, General Journal Transaction Register, General Ledger Trial Balance for any specified period, General Ledger Worksheet, General Ledger Source Cross Reference (shows entries for each source), Statements of Cash Flow, Changes in Financial Position, and Changes in Components of Working Capital.

Model II/12. 26-4601 . . . . 399.00
Model 16. 26-6201 . . . . 599.00

Accounts Receivable

An open item and/or balance forward system that will interface with the 3-Disk General Ledger, Order Entry/ICS and Sales Analysis programs. The program prints Aging Report (with or without detail) for all or selected customers. It provides a General Ledger Distribution Report and allows easy access to frequently used General Ledger accounts for rapid entries. Prints a Cash Application Worksheet showing balance owing, the valid discount and the net amount due from each customer. Optional user-defined features include: accumulating revenue and expense by profit center (product line), calculation and addition of sales tax based on customer tax code, calculation of commissions and printing commissions due report, and more.

Model II/12. 26-4604 . . . . 399.00
Model 16. 26-6204 . . . . 599.00

Accounts Payable

An accrual system that will interface with the General Ledger program. Reports include: Vendor File, Alphabetical Vendor List, Accounts Payable Transaction Register, Accounts Payable Aging, Cash Requirements, Pre-Check Writing Accounts, Payable Check

Register, General Ledger Distribution and Vendor Analysis.

Model II/12. 26-4605 . . . . 399.00
Model 16. 26-6205 . . . . 599.00

Payroll

A complete, time-saving payroll system that calculates and prints checks and provides distribution to multiple General Ledger accounts (interacts with General Ledger program). The program gives you efficient handling of hourly and salaried employees and permits seven pay frequencies. Provides a wide variety of special earnings and deductions categories, and allows entry of manually prepared checks and adjustments. Lets you track vacation and sick pay and recall up to one year of detailed pay history. Tables for federal, state and local withholding taxes are easy to maintain. Prints federal, state and local withholding reports, W-2 forms, payroll worksheets, check register and more.

Model II/12. 26-4603 . . . . 499.00
Model 16. 26-6203 . . . . 699.00

Order Entry/ICS

Allows both single-pass invoicing and two-pass open order entry with separate billing. Requires and interacts with Accounts Receivable program. Allows maintenance of the item file and prints a Numeric Item List and an Alphabetic Item List. Orders can be entered and edited on request. Prints: Item Receivings Register, Billing Edit List, Picking Tickets, Order Edit List, Price List, Item Stock Status Report and Purchasing Advice Report.

Model II/12. Requires 4 disk drives (3 drives for Model 12) or hard disk.
26-4607 . . . . 399.00
Model 16. Requires 3 disk drives or hard disk.
26-6207 . . . . 599.00

Sales Analysis

Effective way to examine and evaluate sales information. Data is obtained from customer file of A/R or item file of Order Entry/ICS. Shows sales activity by customer, customer

type, customer sales volume, salesman, state, item, item category or item sales volume.

Model II/12. Requires 4 disk drives (3 drives for Model 12) or hard disk.
26-4608 . . . . 249.00
Model 16. Requires 3 disk drives or hard disk.
26-6208 . . . . 399.00

Inventory Control System

Assists in cycle counting, ordering from vendors, handling partial receipts and allowing custom design of reports. Posts receipts, prepares labels, prints purchase orders by P.O. number and six major reports—Price, Master and Vendor lists, Items with a Zero Reorder Point, Open Purchase Orders and Cost Inventory. Provides Sales Journal, prints Cycle Count Worksheet and provides suggested order listing by prime vendor.

Model II/12. Requires a minimum of two disk drives. Model II handles approximately 3000 inventory items per data diskette. Model 12 handles about 8000 per diskette.
26-4602 . . . . 299.00
Model II/12 Hard Disk or Thin-Line Floppy. Up to 30,000 items. 26-4802 . . . . . . 399.00
Model 16 Hard Disk. Supports up to 3 users. Handles up to 30,000 items.
26-6302 . . . . 399.00

Manufacturing Inventory System

Improve your efficiency, track your investment in work-in-progress, raw materials and finished goods, and maintain your company's inventory files in an easy-to-access computerized format. Enter a bill of materials for each subassembly and finished good in your inventory, track accumulated cost through the production cycle, and compare actual cost with standard cost. Estimate order completion dates, labor and material requirements, and more. Holds up to 2100 items inventory, 600 bills with 99 components each, 200 manufacturing orders. Requires three disk drives. Models 12 and 16 require two drives.

Model II/12. 26-4509 . . . . 750.00
Model 16. 26-6309 . . . . 850.00

Model 16 Software Requires Hard Disk for Multi-User Operation. Single-User Operation May Use Floppy Disk or Hard Disk.

SINGLE-USER ACCOUNTING SOFTWARE

Simplify Your Accounting With a TRS-80 System

Commercial Lease Available For Only $155 Per Month
(Plus Applicable Use/Sales Tax)

4537⁰⁰

■ TRS-80 Model 12 With Two Disk Drives
■ Compact DMP-420 Printer and Cable

This affordable TRS-80 Model 12 "Basic Business" system is ideal for many office needs and will run all software shown on this page. It includes the 2-Disk Model 12 (26-4005), DMP-420 Printer (26-1267), and Cable (26-4401).

Streamline Business Operations. A TRS-80 Model II/12 computer system can prepare profit and loss statements, tighten up receivables, speed up collections, control disbursements, improve cash flow, keep a close watch on payroll and budgets, help you with your inventory control, analyze sales information, and much more. Your company's operations will be faster, more efficient, and more accurate—and that can help you save money. We know you have more important things to do than to learn how to program, too. And you won't have to hire a programmer either. In fact, anyone in your office can easily and quickly learn to use these powerful TRS-80 Model II/12 business and accounting software packages. Each package comes with a very thorough instruction manual that will guide you step-by-step through every important function and will describe day-to-day operation. What's more, with additional disk drives, these packages form an economical interactive system. And Model II/12 software will also run on a Model 16 in the Model II (single-user) mode.

General Ledger

A powerful, labor-saving system that eliminates tedious paperwork. Handles up to 504 accounts, up to 11,420 entries per month. Seven optional expense categories and user-defined account numbers. Automatic out-of-balance detection, entry totaling, and document balancing. Automatic audit trails. Controlled inputs for error prevention and rapid entries. Easy document correction and error recovery. Reports include: Income Statement, Balance Sheet, Charts of Accounts, Trial Balance, Document List, Posting Summaries, and Ledger Detail Report. Full reporting capabilities allow access to your financial status at any time. A second disk drive allows update from Payroll (26-4503), Accounts Receivable (26-4504), and Accounts Payable (26-4505).
26-4501 . . . . 199.00

Payroll

A comprehensive system designed for utmost user flexibility and convenience. Handles up to 200 employees. Nine earning, nine deduction, and seven worker's compensation categories. Calculates federal, state and city withholding tax, plus earned income credit. Prints Payroll Checks, Payroll Check Register and W-2 forms, as well as automatic monthly, quarterly and annual journals. Automatic out-of-balance detection. Easy error correction and recovery. Optional time card calculations with automatic overtime. Multi-drive update to General Ledger (26-4501).
26-4503 . . . . 399.00

Inventory Management System

Handles up to 3000 inventory line items, 200 vendors, on-hand quantities up to 999,999, with a maximum selling price of any item of $9999.99. Projects your reorder needs based on analysis of past performance and sales trends. Analyze your stock turnover and calculate the gross margin for each stock item. Reports include: Master Inventory List, Vendor Listing, Transaction Posting Report, Suggested Order List, ABC Code Analysis,

Physical Inventory Worksheets and more. Interfaces with General Ledger program (26-4501). For single-sided floppy operation only. 26-4502 . . . . 199.00

Accounts Receivable

A complete invoicing and monthly statement system that helps reduce and control your receivables. Know where you stand and spot overdue debts early for collection. Allows "open item" and "balance forward" accounts, and generates both Summary Aging and Detail Aging reports. Generates monthly statements and prints invoices. Flexible open credit reconciliation. Add additional disk drives for increased capacity and automatic update of General Ledger (26-4501).
26-4504 . . . . 299.00

Accounts Payable

Maximize your use of cash. Prints cash requirements, aging reports and totals, and checks. Compatible with either "cash" or "accrual" accounting methods. Easy maintenance of accounts for up to 500 vendors and 3000 invoices. Reports include: General Ledger Codes, Vendor Listing, Invoice Listing, Posting Report (with GL totals), General Ledger Recap, Cash Requirements, Aging Status, Check Preview, Check Register, Discount Lost Report, GL Totals after Check Printing, End of Period Processing (with GL totals) and Year End Report. Multi-drive update to General Ledger (26-4501).
26-4505 . . . . 299.00

Order Entry With Inventory Control

Simplify inventory control and get complete reports on stock levels. Program designed primarily for non-manufacturing distributors that maintain up to 650 accounts receivable and up to 2000 inventory items. Reduces duplication of efforts, saves time in filling orders, producing invoices and posting sales and adjustments to each customer account. Prints a Picking List to aid in pulling items

from stockroom or warehouse. Interfaces with Model II/12 Accounts Receivable program (26-4504). Requires four disk drives.
26-4514 . . . . 199.00

Mailing List II

A good mailing list makes you money! Here's a system that stores names and addresses which can be revised at any time—up to 3000 names or 2000 names with a "comment" line. Each name may be assigned to up to eight special categories. Choose alphabetical or Zip Code order. Any number of address labels may be selected and printed. Five different label sizes. With a second disk drive, names and addresses can be "merged" with SCRIPSIT (26-4531) for perfect form letters. 26-4507 . . . . 119.00

Statistical Analysis

A menu-oriented data analysis system ideally suited for applications in business, education, medicine and other fields. Can be run with little formal knowledge of data analysis techniques and no knowledge of computer programming. Each program interacts with you to guide you in conducting statistical research. Includes programs for descriptive statistics, graphic histogram, frequency distribution, one and two-way analysis of variance, one-way analysis of co-variance, correlation matrix, chi-square analysis, time series analysis, item analysis, multiple linear regression, random data samples, and item analysis and test/survey scoring.
26-4540 . . . . 99.00

Versafile

Create a simple computerized filing system. Store business or personal data, including names, addresses, phone numbers, customer information and more. Versafile lets you set up your own filing method and what type of data will be entered—your TRS-80 does the rest. The computer stores "key words" in corresponding files ready for easy retrieval. All you have to do is type a question containing the same key words. Includes Global Search function. 26-4510 . . . . 69.00

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TRS-80 PROGRAMS FOR PROFESSIONALS

Model 12 Office System

Only **$190** Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

Time Accounting. This versatile accounting program is a must for any business that requires a detailed analysis of the amount of time spent performing specific jobs to supply to its customers. It can handle up to 14 professionals, 1000 clients, 500 jobs, 99 charge code categories, such as expenses and payments, and 2950 transactions. Data entry is simple because you can work with any part of the program at any time. You can easily add, delete, change, list and review all information on file concerning the person who performed the work, customers, contracts and charges. This includes quickly updating charges and payments received, preparing billing worksheets and printing statements. There's even a "statement simulation" for final adjustments before the actual statements are printed. Time Accounting gives you an accurate picture of your firm's profitability by tracking billable and non-billable time, billable and non-billable expenses, amounts billed and amounts paid. Requires four disk drives. 26-4520 . . . . 499.00

Litigation Support. A versatile computerized information storage and retrieval system designed for the attorney. This docket control program helps you research articles, organize notes, and keep track of reports and correspondence. Just enter a client's background, case history, and correspondence. At a moment's notice, you can be reviewing the case. Store up to 350 client records, with 12 pleas and 10 memos. Litigation Support also doubles as a paralegal. Just enter documents associated with a case—such as a memo, letter or conversation. Then by simply typing in a subject, topic, case number or keyword, the computer displays any matching records. Store up to 575 records, with 144 characters for sources and 255 characters for description. Litigation Support even prints complete reports and mailing labels. Merge names and addresses with form letters using SCRIPSIT (26-4531) and an extra disk drive. 26-4545 . . . . 299.00

This TRS-80 Office System is only $5533, and will run all of the software shown on this page. It includes a 2-drive Model 12 (26-4005), letter-perfect DMP-2100 printer (26-1256) and cable (26-4401).

WESTLAW™. Dramatically upgrade your TRS-80 into a powerful electronic "law library"! Just register with WESTLAW—a vast legal information system—and attach a 1200-baud telephone modem to your Model II, 12 or 16. Then each time you need to research a case, just place a phone call to access the resources of WESTLAW. Permits access to the US Code, Code of Federal Regulations, Federal and state case law libraries, Shepard's Citations service and more at a low, reasonable hourly rate. Simple commands for quick access to this information help you cut down the time you now spend researching—WESTLAW lets you search through publications at "computer speed" to locate relevant cases quickly. Runs on Model 16 in single-user mode only. 26-4560 . . . . 249.00

Electronic Broker™. Maintains securities transaction records for stockbrokers, investment advisors, accountants, and small bank trust departments. The Electronic Broker organizes your account bookkeeping with flexibility and ease. Reviews and updates security prices, market averages, stock splits, and adjustments for dividends. Builds and maintains four libraries of information—a library of up to 500 Client Accounts, a library of up to 1500 Securities, an ongoing Transactions File, and a matched-off Liquidations File. The Transactions File produces well organized, accurate screen and printed reports, such as Master List of Accounts, Master List of Securities, Statement of Account, Realized Long and Short Term Gains by period, and Cross Listing of securities. Master List of Accounts includes all account descriptions, account codes, cash on hand for each account, phone numbers and account numbers. Master List of Securities shows all securities your accounts own with ticker symbols, security description, most recently entered price, date of most recently entered price, and ex-dividend rate. Additionally, the program prints a Posting Journal and a Liquidations Report as an audit trail. 26-4525 . . . . 995.00

Medical Office System. The Radio Shack Medical Office System is designed to provide a fast and efficient system for collecting and managing accounts receivable. It accomodates a large individual practice or a medical clinic with up to ten physicians. Handles records and billing for up to 3000 accounts and 9000 transactions per month. Features 450 procedures and diagnoses, 4 recall medications, 2 recall dates, and 2 insurance companies per patient. On hard disk, you can keep track of 64,000 patients, 64,000 transactions, 999 procedures and diagnoses. A powerful forms generator can produce any type of invoice or insurance form to match any state's requirements. The system lets you get daily recap, transaction review, aged accounts receivable, procedure and diagnosis reports. You may enter refunds, place invoices into collection, add charges to existing invoices, switch responsible parties, and add notes into a patient's file. The system provides complete audit trails and detailed reports, cutting the time you presently spend on accounting and preparing statistical reports. Zero-balance double-entry accounting maintained automatically. You can also get an amazingly complete breakdown on your office's financial status with numeric month-to-date and year-to-date totals for all categories. Use of a unique "scan" feature allows you to quickly locate patients who meet a very narrow selection criteria. Requires a minimum of two disk drives. Create customized letters and mailing labels using Profile II (26-4512) and SCRIPSIT (26-4531) and an extra disk drive. 26-4508 . . . . . . 750.00

Personnel Search. A program to help match employers with potential employees, so important when you have to have the right person to fit the job. Stores up to 246 records, with up to five referral and placement positions and five client contacted companies. Up to 66 character spaces are available for a description of employer benefits, and up to 227 character spaces for employee duties. Prints reports, plus two mailing labels. 26-4621 . . . . 299.00

Job Costing. This software is designed to aid small construction companies in the preparation of job estimates, and to enable them to accurately track the progress and cost of each job. It keeps up with your two most valuable resources—time and money. Expenses are entered as they are incurred and are posted to each task by cost category. Detailed and summary information available on each job. Job Costing can be used for internal auditing to check invoices and purchase orders, too. As jobs are completed, year-to-date profit and loss is maintained on disk. It's an invaluable tool for estimating work volume and average gross profit.
Model II/12. 26-4513 . . . . 149.00
Model 16. 26-6209 . . . . 199.00

MODEL II/12/16 PROGRAM LANGUAGES

FORTRAN. Radio Shack's FORTRAN is based on the ANSI-66 standard and features complete error documentation in compiler, and hex and octal addresses for compiler listing. Includes Editor, Compiler, Linking Loader, Subroutine Library, and a Source and Listing File Print Utility.
Model II/12. 26-4701 . . . . 299.00

NEW! PASCAL MT +. This language is a full-implementation of the standard PASCAL as set forth by the International Standards Organization. P/MT+ includes compiler, linker and the programming tools you need to help you build better programs faster. A speed programming package helps you remove "dumb" errors prior to compilation, with options including editor, reformatter, syntax check, variable check and fast compiler. Automatically readjust indentations and margins for structured overlay capabilities, chaining, call assembly routines and supervisor calls.
Model II/12. 26-4711 . . . . 425.00

Program Editor. A package which can be used with any of our Model II/12 TRSDOS languages to modify source code. Easily change, delete and insert characters or lines. File record formats are selectable. Features global search.
Model II/12. 26-4710 . . . . 79.00

Editor/Assembler. Quickly write, edit, test, assemble and execute programs in Assembly Language. Can be used with either 8080 or Z-80 mnemonics and constants can be specified in octal, hexadecimal or binary. Line and character-oriented text editior.
Model II/12. 26-4702 . . . . 199.00

Series I Editor/Assembler. Program in machine language for faster execution and more efficient memory use. Editor features automatic line numbering, line renumbering, single-letter commands, global search, plus the source text may be saved in disk files. Source files may be loaded together in memory.
Model II/12. 26-4713 . . . . 49.95

Assembly Language Development System. This five-module package includes Editor, Assembler, Linker, Debugger, and File Transfer.
Model II/12. 26-4712 . . . . 249.00

COBOL Development System. Radio Shack's COBOL is a high-level implementation of the ANSI-74 COBOL standard for microcomputers, featuring the multi-keyed Indexed Sequential Access Method for quick access of data, interactive DEBUG, address stop, single and variable step display, extended ACCEPT/DISPLAY commands and full level-2 I/O commands. Also features Editor and single-pass Compiler.
Model II/12. 26-4703 . . . . 299.00
Model 16. (TRSDOS-16) 26-6100 . . 299.00

COBOL Run-Time Diskette.*
Model II/12. 26-4704 . . . . 40.00
Model 16. (TRSDOS-16) 26-6101 . . . 40.00

COBOL Generator. Define a complete software package and generate a COBOL source program automatically. Requires one additional disk drive and COBOL Development System (26-4703).
Model II/12. 26-4707 . . . . 995.00

Compiler BASIC. Features single-key ISAM to help organize and retrieve data, cross reference and interactive DEBUG to speed program development, easy calls to assembly language or other object programs, 14-digit floating point decimal format, full error control, complete CRT control, and single-pass compiler. (Note: Compiler BASIC is intended for program development and not for conversion of existing software.)
Model II/12. 26-4705 . . . . 199.00

Compiler BASIC Run-Time Diskette.*
Model II/12. 26-4706 . . . . 30.00

NEW! BASCOM BASIC Compiler. Designed to complement the Model II/12 Microsoft BASIC Interpreter, providing the programmer with an extremely powerful programming environment. MS-BASIC Compiler can support programs written for a wide variety of microcomputers with little or no modification. Allows you to create programs that execute faster and require less memory than the same interpreted programs, in addition to providing source code security. Speeds up applications and allows several chained programs to be supported by a main menu. Features BASRUN runtime module which contains most of the runtime environment. BASRUN allows you to develop a system of related programs that can all be run using the same runtime environment.
Model II/12. 26-4725 . . . . 199.00

NEW! CP/M Plus™. This is a high-performance single-user, single-tasking operating system that opens the door to thousands of non-Radio Shack applications programs. Designed with the business user in mind, it is easy to learn and use. CP/M Plus features a flexible application program interface and powerful system utilities to facilitate software development. Compatible with CP/M 2.2 and MP/M II files. Hashed directory access, record buffering and multi-sector disk I/O support a high-performance file system. Hashing technique eliminates need for directory searching. Record buffers maintained in memory on an LRU scheme give the application program fast access to a working set of directory and data records. Allows two separate time and date stamps per file. CP/M Plus automatically logs in a disk when it detects a media change, freeing the user from having to inform the system when a disk is changed. Disk space is dynamically allocated and released. GET and PUT utilities allow application programs to redirect serial device input/output to or from a disk file, with no program modification required to use the utility. CP/M Plus utilities have a consistent syntax and accept optional English words to make commands easier to use and remember. The batch facility allows the user to perform repetitive tasks without re-keying the command sequence, and input files can include both program and system input. System primitives allow the application program to determine the amount of free space available on a drive, truncate files, and chain to another program. An additional primitive allows application programs to intercept and process system errors. Utilities allow customization of the operating system on a selective basis, and includes a symbolic instruction debugger, macro assembler, relocating macro assembler and linkage-editor with overlay capability to simplify systems level programming.
Model II/12. 26-4740 . . . . 249.00

NEW! CBASIC®. A commercial dialect of the BASIC language implemented as a compiler/interpreter. It requires the CP/M Plus operating system, and is designed specifically to develop business applications. Compiles source code file into pseudo-code instructions, so application programs use RAM more efficiently. Maintains real numbers in BCD format to assure that fractional parts of dollar amounts will be exact and ledgers will balance to the penny. Also supports integer arithmetic, tremendously increasing program speed and throughput. Both fixed record length and stream input/output files are provided for maximum flexibility. Includes full complement of string functions, with strings dynamically allocated and unused memory returned to the system automatically. Supplied on diskette with complete documentation.
Model II/12. 26-4742 . . . . 99.00

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*NOTE
Run-Time Diskettes are available separately for those who intend to sell software developed on our compilers. You don't need to purchase a separate Run-Time Diskette for your own use.

Model 12 Software Will Run on a Model II and on a Model 16 in the Model 12 (Single-User) Mode.

MODEL II/12/16 ADVANCED SOFTWARE

Model 16 Multi-User Programming Software

TRS-XENIX™ Development System. The TRS-XENIX development system, with the powerful C language, is for advanced programmers developing multi-user software to run under Model 16B XENIX. Because of C's flexibility, it has been used by software developers to write operating systems and utility programs for a number of computers. It has also been used to develop applications software for research and business uses, including numerical, text processing and data base programs. The entire system includes all standard UNIX™ utilities for multi-user software development (about 250 modules) including:

- C language compiler
- assembler
- text editor
- text processing (not including editors)
- text print formatting
- typesetting
- spelling dictionary with over 20,000 words
- electronic mail
- relocating program loader
- maintain program groups
- print spooler
- sort utility
- stream editor
- command processing
- interactive program debugger
- compiler generators
- file management
- pattern recognition and file comparison
- pattern scanning and processing language
- full password protection
- on-line communications

Requires a minimum of 256K memory (512K is recommended) and a hard disk.
Model 16. 26-6401 . . . . 750.00

NEW! TRS-XENIX BASIC Interpreter. This advanced BASIC interpreter is loaded with features to make BASIC programming faster and easier. With MBASIC, you can chain other BASIC programs stored on disk to your main program and pass common variable values. In addition, MBASIC gives you easy calls to machine language subroutines for fast execution, and double-precision math operations for large numbers. MBASIC supports 40 significant characters for variable names, string variables of up to 32K bytes, and logical record lengths of up to 32K bytes.
Model 16. 26-6457 . . . . 299.00

TRS-XENIX COBOL Development System. COmmon Business Oriented Language is perhaps the most popular programming language for business and accounting applications. That means a wide selection of COBOL software is available—much of which can be transferred to the Model 16B with little or no modification. Radio Shack's TRS-XENIX COBOL is a high-level implementation of the ANSI-74 COBOL standard for mini-computers. It features multi-keyed ISAM (Indexed Sequential Access Method) for quick access of data, interactive DEBUG for program development and testing with address stop, CRT control with extended ACCEPT/DISPLAY commands for attractive screen formatting, and full level-2 Input/Output commands. It has an Editor for creating and changing source programs and a single-pass Compiler which generates an object code for fast execution by the Run-Time Diskette. TRS-XENIX COBOL Development System comes with deluxe binder and includes User's Guide, COBOL Language Manual and sample programs.
Model 16. 26-6455 . . . . 699.00

Mainframe Communications

NEW! Binary Synchronous Communications 3270. Allows your TRS-80 micro to emulate an IBM® 3270/3271/3275/3277 display station. Communicate to a remote computer using standard IBM Binary Synchronous protocol for the IBM Systems 360/370 and 30-Series Central Processing Units, plus non-IBM devices equipped with BSC-3270 communications capability. All functions of an IBM 3270 display station are provided, including screen formatting, data link control, time-out control and cyclical redundancy checking. New features include separately addressable printer support, 3274/3276 support, menu driven configuration and send file support. Requires modification of the "A" serial port (extra charge).
Model II/12. 26-4730 . . . . 1495.00

Binary Synchronous Communications 3780. With this communications program, your TRS-80 microcomputer can function as a remote terminal or a Remote Job Entry (RJE) terminal connected to a mainframe computer. This batch standard binary synchronous communications 3780 program allows the selection of IBM 2770, 2780, 3741 or 3780 terminal protocols for communicating with the IBM Systems 360/370 and 30-Series computers, IBM 2780 and 3780 terminals, DEC® PDP-11 or VAX-11 computers, and other devices equipped with bisynchronous communications ability. Bisync-3780 communicates in half-duplex mode and may operate at data rates up to 19,200-baud depending on the type of communications connection used. Editor/Assembler (26-4702) may be required if mode reconfiguration is needed. Requires modification of "A" serial port (extra charge).
Model II/12. 26-4716 . . . . 995.00

ReformaTTer™. Prepare programs and data for use with IBM equipment using the TRS-80 Model II/12. ReformaTTer handles the transfer of files between TRSDOS and IBM-compatible diskettes. It organizes data to conform to the 3741 single-density IBM format, performs optional EBCDIC/ASCII character conversion and automatically initializes diskettes to the IBM format—including all necessary fields—eliminating the need for specially pre-formatted diskettes. Gives you full control over all aspects of an IBM diskette. Requires two disk drives. (Single-sided diskette operation only.)
Model II/12. 26-4714 . . . . 249.00

Model 12 Programs Will Run on a Model 16 in Model 12 (Single-User) Mode. Model 16 Programs Will Run on a Model II/12 with Upgrade Kit.

NEW! MODEL 4P "TRANSPORTABLE"

A Completely Portable Version Of Our Model 4 Computer!

NEW FOR '84 **1799⁰⁰**

Commercial Lease Available For Only $65 Per Month
(Plus Applicable Use/Sales Tax)

- Totally Software Compatible With All Model 4 Disk Programs
- 9" High-Resolution 80 × 24 Display
- 2 Built-In 184,000-Character Double-Density 5¼" Disk Drives
- Built-In Programmable RS-232 Interface
- 64K Memory—Expandable to 128K
- Use Extra Memory As a Super-Fast RAM-Based "Disk Drive"
- Parallel Printer Interface
- Typewriter-Style Keyboard with 12-Key Numeric Keypad
- Expand with Optional Built-In Modem, External Hard Disk Drives, Graphics and CP/M Plus™ Operating System

Take Model 4P With You— It's Only 26 Pounds!

TRS-80 Model 4P. Now get the versatility of our popular TRS-80 Model 4 desktop computer in a compact system you can take anywhere! The Model 4P is easy to carry—and it's small enough to stow in overhead luggage racks on planes, trains or buses. It's the perfect computer for our mobile society!

Use Thousands of Programs. Model 4P can use all Model 4 disk software. It can also run all Model III TRSDOS® and LDOS™ disk programs (in Model III mode) without change. So a huge software library is already available. And Model 4P

is compatible with the CP/M Plus™ operating system which opens the door to literally thousands of applications.

Big on Features. Unlike some transportables, Model 4P is without compromise. You can depend on it as your desktop computer because of true desktop features. Rather than a small display screen, Model 4P features a full 80-character by 24-line 9" display that can be upgraded to provide optional 640 × 240 high resolution graphics. The full-size keyboard features CONTROL, CAPS and three function keys. And you can add the internal direct-connect modem board to communicate with other computers and to access information services.

Superior Operating System. The new TRSDOS 6 operating system lets you use extra memory as a superfast disk drive. The result? Keystroke-quick responses instead of time-consuming disk access. The software print spooler allows you to print out a job at the same time you're using Model 4P for other tasks. A Job Control Language lets you set up a whole series of operations for your Model 4P to perform without supervision.

Thorough Documentation. Model 4P comes with Microsoft® Disk BASIC and TRSDOS 6 operating system, owner and programming manuals, reference card, and an introduction to your computer that gets you started immediately. Hi-impact ABS case. Built-in carry handle. U.L. listed.
26-1080 . . . . 1799.00

Model 4P Modem Board. Direct-connect auto-dial/auto-answer 300 bps modem features full/half-duplex and originate/answer modes. Completely software compatible with our Direct-Connect Modem II (26-1173). User installable.
26-1084 . . . . 149.95

Who is the Model 4P for?

This transportable computer is designed for managers with work that just can't wait until they return to the office. The compact size of the Model 4P makes it usable anyplace where there's an AC outlet. Its software flexibility allows almost any task at hand to be performed— word processing, accounting, forecasting, programming, graphic presentations and much more.

SPECIFICATIONS. Microprocessor: 4 MHz Z-80®A (2 MHz in Model III mode). **Memory:** 64K RAM, expandable to 128K. Provides for disk drive emulation in RAM, only 64K addressable from BASIC. **Keyboard:** 70-key typewriter-style with datapad, plus CONTROL, CAPS and 3 programmable function keys (F1, F2, F3). **Video Display:** 80 × 24 (Model 4 mode), 64 × 16 (Model III mode), or double-width 40 or 32 characters per line. Upper and lower case. Reverse video (Model 4 mode). 96 text, 64 graphics and 96 "special" characters. **Language:** Microsoft 5.0. BASIC **Sound:** Obtainable from BASIC. Toggled "keyclick". **Disk Drives:** Two built-in double-density 184K 5¼" drives. **External Connections:** Parallel printer port. RS-232C serial port. Selectable 300-9600 baud. Buffered input/output bus. **Dimensions:** 16½ × 13¼ × 9¾". **Power:** 120VAC, 60 Hz.

PERSONAL DESKTOP COMPUTER

64K 2-Disk With RS-232C

1999⁰⁰

Commercial Lease Available
For Only $70 Per Month
(Plus Applicable Use/Sales Tax)

64K 1-Disk Without RS-232C

1699⁰⁰

Commercial Lease Available
For Only $60 Per Month
(Plus Applicable Use/Sales Tax)

■ Self-Contained Desktop Unit ■ 80 × 24 Display
■ 64K Memory—Expands to 128K ■ Numeric Keypad
■ RAM-Based Disk Drive ■ Parallel Printer Interface
■ CP/M Plus™ Compatible ■ Runs Model III Software

TRS-80 Model 4. Compare the features of the all new Model 4 to any other computer in its class. For power, versatility and convenience, you'll find Model 4 is a true price breakthrough!

Software Flexibility. Model 4 can run all Model III TRSDOS® programs (in Model III mode). That means a large software library is already available, and Model III owners can upgrade to a Model 4 without making their present software obsolete.

Who is the Model 4 for?

The Model 4 is the perfect computer for busy managers, professionals, educators, and home computer users. Because a huge ready-to-run software library is currently available, Model 4 can be used for forecasting, word processing, data base management, computer assisted instruction, program development and for thousands of other applications. Model 4 expands easily to meet your growing computing needs, too.

In addition, Model 4 is compatible with LDOS™ and CP/M Plus™ operating systems giving you literally thousands of applications from which to choose.

Easy to Use. Simply add ready-to-run programs for word processing, spreadsheet analysis, data base management and much more and Model 4 is ready to go to work. The 2-disk model provides 368K of disk storage (184K each) and has a built-in RS-232C Serial Interface to access information networks by phone (requires modem and cable).

Advanced Features. The new TRSDOS 6 operating system allows you to turn extra memory into a superfast disk drive. This "MemDisk" feature allows for keystroke-quick responses instead of time-consuming disk access. A software print spooler lets you print one job while working on another. You can custom-tailor print-outs with the forms command. A Job Control Language makes it possible to set up a whole series of operations that Model 4 can perform unattended. A host/terminal package makes computer

communications easy. There are more features for serious programmers, too, such as routing, linking and filtering.

Complete Documentation. Model 4 comes with Microsoft® Disk BASIC and TRSDOS 6 operating system, an owner's manual, reference card, programming manual, and an introduction to start you computing immediately. U.L. listed.

64K 2-Disk. 26-1069 . . . . 1999.00
64K 1-Disk. As above, but without RS-232C. 26-1068 . . . . 1699.00

SPECIFICATIONS. Microprocessor: 4MHz Z-80®A (2 MHz in Model III mode). **Memory:** 14K ROM, 64K RAM expandable to 128K (provides for disk drive emulation in RAM). **Keyboard:** 70-key typewriter-style with datapad, plus control, caps and 3 programmable function keys (F1, F2, F3). **Video Display:** 80 × 24 (Model 4 mode), 64 × 16 (Model III mode), or double-width 40 or 32 characters per line. Upper and lower case and reverse video (Model 4 mode). 96 text, 64 graphics and 96 "special" characters. **Language:** Microsoft 5.0 BASIC includes CHAIN, COMMON, 40-character variable names, "endless loop" check, more. **Sound:** Obtainable from BASIC. Toggled "keyclick". **Disk Drives:** One or two built-in double-density 184K 5¼" drives. **External Connections:** Cassette operation at 500/1500 baud selectable under ROM BASIC. Parallel printer port. RS-232C serial port (2-Disk version only). Buffered input/output bus. **Dimensions:** 12¹/₂ × 18⁷/₈ × 21¹/₂". **Power:** 120VAC, 60Hz.

MODEL 4/III/I HARD DISK DRIVE

Stores Five Million Characters

Primary Drive **1999⁰⁰**

Secondary Drive **1799⁰⁰**

■ Large Capacity and High Speed Make It Ideal for Inventory, Accounting, And Data Base Filing

■ Compatible With Most Model 4, III And I Software

5-Megabyte Hard Disk System. Now you can have vastly increased data storage at a better than ever price! Winchester technology can provide dramatic improvements in speed. Add up to three Secondary Hard Disk Drives and get a total of 20 megabytes of storage. Store over 1000 different files per disk system or create files as large as the available space. The directory is alphabetized to make locating and accessing files quick.

Advanced Operating System. Furnished with LDOS™ Operating System which includes many advanced features, such as a terminal utility for telephone communications. You can back up all files or select specific files. A print spooler is included, too. Other features include keyboard type-ahead for fast data entry, a versatile printer output formatting program, key redefinition, and more. An extensive user's manual is included. U.L. listed.

Primary Drive. Includes Hard Disk Operating System with BASIC and manual. 26-1130 . . . . 1999.00

Secondary Drive. Installation required (not included). 26-1131 . . . . . . 1799.00

Model I Adapter Kit. Includes adapter, cable and diskettes. Requires Expansion Interface, 32K memory, and Disk BASIC. May require installation (not included). 26-1132 . . . . 39.95

Powerful TRS-80 Model 4 Hard Disk System

■ Store Over 5 Million Characters of Data

■ Easy to Operate

Commercial Lease Available For Only $165 A Month (Plus Applicable Use/Sales Tax)

Complete System **4736⁰⁰**

A cost-effective system for numerous applications. Add our ready-to-run software for data base management, accounting, forecasting and planning, and more. System includes our new 64K 2-Disk Model 4 (26-1069), 5-Megabyte Hard Disk Drive (26-1130), 80-column DMP-200 dot-matrix printer (26-1254) and printer cable (26-1401).

Add High-Resolution Graphics to Your Model 4/III

Turns Your Video Display Into a Graphics Blackboard

Low As **249⁹⁵**

■ For Business, Engineering or Entertainment

■ Easy-to-Use Graphics BASIC and Assembly Language Subroutines Included

■ Provides 153,600 Picture Elements (640 × 240) For Amazing Detail

NEW! Model 4 Hi-Res Graphics. Turn your display into an electronic "sketch pad" to create sophisticated business graphs, tables, charts, maps, illustrations, geometric patterns—and animation! All you need to learn are eleven new BASIC commands (summarized at right). Includes 32K RAM memory board, manual and diskette. Installation required (not included). Requires 64K 1-Disk TRS-80 Model 4.
26-1126 . . . . 249.95

Model III High-Resolution Graphics. Requires 48K 1-Disk Model III.
26-1125 . . . . 369.95
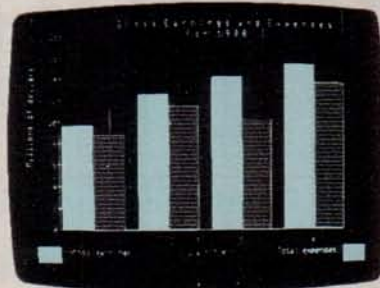
Eleven Graphics BASIC Commands Simplify Graphics Creation

CIRCLE—Draws a circle, arc or ellipse.

CLS—Clears a character or display screen.

GET—Reads the bit-pattern in a block on the display screen into an array for alteration and future use.

LINE—Draws a line between points.

PAINT—Paints an area in a specified style.

POINT—Checks to see if a point is on or off.

PRESET—Turns a pixel on or off.

PUT—Puts contents (bit pattern) of an array onto the screen. Used in creating animation.

SCREEN—Screen Command/Flash mode. Useful in speeding up the display in painting and motion. Turns graphics screen on or off.

VIEW—Defines the coordinates of a specified block (called "viewport") on the screen.

VIEWPORT—Draws a viewport.

23

DISK SOFTWARE FOR MODEL 4/III/I

Three New Popular Programs that Take Advantage of Model 4's Superior Features—Large Internal Memory, 80 × 24 Display Screen and Improved Clock Speed

NEW! SCRIPSIT®. 4 Ⓔ An easy-to-use, low cost word processing program for Model 4. Prepare correction-free memos, letters, reports and manuscripts. Displays a full screen of text in an 80-character by 24-line format. Includes all the standard features that have made SCRIPSIT an outstanding word processing program for years. There's a "global search" mode to find phrases or sentences that you want to alter or delete, plus reformatting, hyphenation, centering, headers, footers, justification, margin and tab settings, automatic page numbering and more. With manual and quick reference card. Requires printer. 26-1596 . . . . 99.95

NEW! PFS:FILE®. 4 Ⓔ Now you can create and organize your records according to your own specifications! With PFS:FILE you get an easy-to-use personal filing program that works like a paper filing system, but without the paper! You decide how your records are to appear by simply organizing information on "forms" that you design right on your display screen. Form layouts can have as much or little structure as you wish. The advantage? Store, retrieve, and review information in a fraction of the time it would take with a conventional filing system. Once you've created the basic form, all you do is fill in the blanks. Enter data in any order that you like. Retrieval is not limited by the order in which the information is stored. And you can change the original form design without having to re-enter the data. PFS:FILE can be used in various applications: business, professional, home and education. 26-1518 . . . . 124.95

NEW! Target PlannerCalc®. 4 Ⓔ Now you can get the versatility of higher-priced electronic spreadsheets for under $100! PlannerCalc's easy-to-use design minimizes the need for an extensive user's manual. Create your own financial models by entering and processing data by column, row or individual location. The program offers you a wide variety of mathematical operations, including conditional commands. And best of all, PlannerCalc is a spreadsheet program that uses plain English formulas instead of the more complex algebraic formulas. For example, an obscure equation like "A1 = 500" can be written as "LINE 1 WIDGETS = 500". And a "Help" screen that details an operation is available by simply pressing the question mark key. 26-1512 . . . . 99.95

Word Processing, Data Base Management and Scheduling Programs

SuperSCRIPSIT. I/III Ⓒ Includes all the word processing features of Model 4 SCRIPSIT (above) and more. SuperSCRIPSIT supports proportional-spaced printing, multiple line spacing, underline, boldface, super and subscripts, multiple columns and a 64 × 16 display format. Includes training manual and audio cassette course with reference manual and card. 26-1590 . . . . 199.00

SuperSCRIPSIT. 4 Ⓔ Includes all of the features of Model III SuperSCRIPSIT, plus full 80 × 24 screen display and reverse video to aid in editing. 26-1595 . . . . 199.00

SCRIPSIT. I/III Ⓐ 26-1563 . . . . 99.95

SCRIPSIT Spelling Dictionary. I/III* Ⓑ Automatically checks for misspellings. Contains 73,000 commonly used words (34,000 with Model I), and you can add your own user list. For any text material prepared with SCRIPSIT, SuperSCRIPSIT or ASCII files. 26-1591 . . . . 149.00

Profile® III Plus. III Ⓓ Create your own personalized electronic filing system! Managers can keep track of price lists, business inventories, vendor and customer records, personal projects and more! Stores up to 700 records of 255 characters in length on a 2-disk database, 2100 with 4 disks. Create 99 fields per record. High speed access using up to 36 fields as search criteria. A math package performs arithmetic operations and updates other fields. Tailor five data entry screens to match your needs. Prints custom reports and mailing labels. Merges with VisiCalc® and SuperSCRIPSIT for reports and form letters. 26-1592 . . . . 199.00

Hard Disk Version. III Ⓒ All the features of Profile III Plus and more for the hard disk owner. Increases the number of records in your system and offers extra sorting features. 26-1593 . . . . 299.00

Easily Create Files and Generate Reports

Powerful Software for Information Management

NEW! PFS:FILE. III Ⓓ Contains all the features of the Model 4 version (above) except it runs in the Model III mode (64 × 16 display). 26-1515 . . . . . . 124.95

NEW! PFS:REPORT. III Ⓓ Produces presentation-quality tabular reports from files created with PFS:FILE. Sort from any data category and calculate averages, totals and more. Prints in alphabetical or numeric order. Automatic centering and justification. 26-1516 . . . . 99.95

NEW! PFS:REPORT. 4 Ⓓ 26-1517 . . . . 99.95

Save Time with Our "Manager Series"

99⁹⁵ Each

- Keep Track of Your Priorities
- Create Charts of Time and Resources

Time Manager™. III Ⓓ A personal calendar/reminder and electronic notebook. Helps you organize your time and business information, and creates permanent records. 26-1582 . . . . 99.95

Project Manager™. III Ⓓ Graphically displays a project in different ways to allow evaluation and scheduling. View project by time, sequence, personnel, materials or resources. 26-1580 . . . . 99.95

Personnel Manager™. III Ⓓ Organizes employee information, including schedules and salaries, plus business contacts and clients. Files can be searched by person, company, product or service. Prepares telephone and mailing lists. 26-1581 . . . . 99.95

All Model III Software Will Run on a Model 4 (in the Model III Mode)

MORE PROGRAMS FOR MODEL 4/III/I

Enhanced VisiCalc®

199⁰⁰

- A Multi-Purpose Program for Model 4
- View Countless "What-If" Situations

4 (E) This versatile management and engineering planning tool takes advantage of Model 4's 128K memory capacity and 80×24 display screen to handle large spreadsheet analysis problems. You simply define the formulas, enter the figures and VisiCalc performs all calculations automatically. Change any value or formula, and VisiCalc instantly updates every related number! You can view countless "what if . . . ?" situations in seconds. Enhancements include an entry editor to modify formulas and labels without re-entering them, and logical and relational operators to perform testing and branching. Optional printer allows printing of any portion of your worksheet. 26-1520 . . . . 199.00

Enhanced VisiCalc. III (C) All the features of the Model 4 version (above) except screen display is 64×16 and memory capacity is 48K. 26-1569 . . . . 199.00

VisiCalc Business Forecasting Model™

III (C) Now you can generate financial reports based on your VisiCalc spreadsheets. Produce easy-to-read income statements, balance sheets, cash flow, financial ratios, sales and cost of goods for multiple products, salary worksheets, asset and depreciation schedules. The Business Forecasting Model allows you to interact various worksheets to provide all data necessary. Requires VisiCalc. 26-1521 . . . . 99.95

Business Analysis with Desktop/Plan™-80

III (C) Analyze probable results of business decisions. Consolidates sub-models into summary model, transfers several budgets to a summary budget, reads VisiCalc files to produce reports, more. 26-1594 . . . . 199.00

New! MICRO/Courier® for Communications

III (D) Send and receive electronic mail quickly, inexpensively and reliably! MICRO/Courier is a powerful communications program that handles messages, letters, programs, data files, VisiCalc templates, graphic images—anything that can be stored in a TRSDOS file and accessed by your computer. You can communicate with other personal computers (with the same communications protocol as MICRO/Courier), or information services like CompuServe and Dow Jones News/Retrieval. Easily save information on disk for later viewing or make printouts with optional printer. MICRO/Courier has an "unattended" mode of operation that allows automatic dialing after hours to reduce rates and to keep your computer free for other uses during normal business hours. Also, messages can be sent to a predetermined set of addresses automatically. Operation of MICRO/Courier is simple—you are guided every step of the way with menu selections and prompt messages on the display screen. Comprehensive user manual included. Requires Modem II and RS-232C interface. 26-1589 . . . . 149.95

Powerful Multiplan™ For Model 4

NEW FOR '84 199⁰⁰

A "Second Generation" Forecasting Program That Makes Spreadsheet Analysis Easier Than Ever

4 (E) An incredibly easy-to-use decision support tool. Multiplan lets you consolidate related worksheets so that information is transferred between them automatically. All prompts are full length words or phrases. Plain English names can be assigned to any column, cell or area. If you have any questions, an On-Line Reference Guide knows where you are in Multiplan and offers information related to your problem. With Multiplan, up to eight display windows can be created on the screen simultaneously. Sorting can be performed in alphabetical or numeric order. Vary individual column widths, center numbers and text within a column and align decimals. Format your own reports, too. Multiplan can also directly utilize your current VisiCalc files. Includes tutorial manual. 26-1530 . . . . 199.00

Versatile Business Graphics Analysis Pak
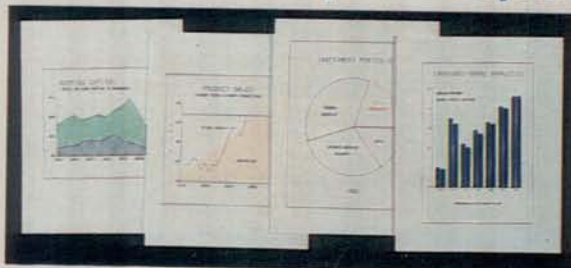
174⁹⁵ Select Pie, Bar, Line or Scatter Charts

III (D) Great for corporate planners, analysts, managers or business people. Select a picture type, supply the data, and the program quickly displays your graph on the screen. Allows editing of titles and labels before printing. Options include the size, shape and format of the chart, adjusting the scale range, adding shading and a frame, and much more. Enter data from keyboard or disk files, including VisiCalc. 26-1597 . . 174.95
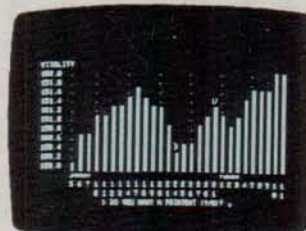
Invest in Disk Trendex

59⁹⁵

Analysis Accomplished with the Aid of Formulas Used by Professional Investors

I/III (A) Provides stock trend indications for short, intermediate and long term periods. Maintains intermediate trends for portfolio of your choice. Not for counsel to buy or sell securities. 26-1510 . . . . 59.95

Standard & Poor's STOCKPAK™ Program

III (B) Maintains a portfolio of 100 securities. Sample data base includes 900 NYSE, AMEX and OTC stocks. Analyze stock, more. 26-1507 . . . . 49.95

CP/M Plus Operating System

149⁹⁵

CBASIC Language

99⁹⁵

- **Sophisticated CP/M Plus™ System and CBASIC® Language for TRS-80 Model 4**
- **Advanced CP/M Plus Operating System Puts Thousands Of Different Applications at Your Disposal**
- **CBASIC Offers Efficient Memory Use, Extended Precision Arithmetic and High-Level File Management**

New! Alcor Pascal Programming Language

Highly Efficient. Alcor Pascal is a full Pascal implementation. It provides the tools and facilities to help you solve the most difficult programming problems. For speed and efficiency, the compiler generates a p-code (pseudo-code) that can be interpreted, or further translated into machine instructions for execution directly by the hardware. For added space, an optional p-code optimizer reduces a program by 10-30%. For added speed, an optional native code generator converts the p-code to machine language. Resulting code executes between three and five times faster than the p-code. Object code is portable, so you can compile programs on one system and execute them on another.

Complete Package. Includes compiler, interpreter, linking loader for building libraries of commonly-used routines, full-screen text editor, large library of routines, extensive string routine library, and a documentation package which includes a Pascal tutorial with 500-line database program.

Alcor Pascal for Model 4. 4 Ⓔ 26-2212 .... 249.95
Alcor Pascal for Model I/III. I Ⓓ III Ⓒ 26-2211 .. 249.95

Quality Programs for Language Versatility

NEW! COBOL-4. 4 Ⓕ Based on the ANSI '74 standard. Provides single-step compiler, multi-key ISAM, COBOL editor and DEBUG. Includes 297-page manual. 26-2190 .... 199.00
COBOL. I/III Ⓓ 26-2203 .... 199.00

Compiler BASIC. I/III Ⓓ Single-key ISAM, DEBUG and cross-reference. (Intended for program development and not for conversion of existing software. Not compatible with Level II or Model III BASIC programs.) 26-2204 .... 149.00

Runtime Diskettes. I/III/4 Ⓒ For those who sell software developed on our compilers.

Runtime Diskette	Model 4	Model I	Model III	Each
COBOL	26-2191	26-2206	26-2207	30.00
Compiler BASIC		26-2208	26-2209	20.00

Useful BASIC Routines Diskette

I/III Ⓑ Supercharge your programs with these 121 subroutines, functions and utilities described in *BASIC Faster and Better & Other Mysteries* (62-1002, not incl.). Modify routines or use "as is". 26-2021 .. 19.95

CP/M Plus. 4 Ⓕ A valuable addition to Model 4. CP/M Plus is designed for the business user, and it's easy to use. It supports thousands of existing CP/M programs, including popular word processing, spreadsheet analysis and database management programs. CP/M Plus is very fast and supports Model 4's bank-switched memory. CP/M Plus is easy to learn and even offers a HELP facility. It's upward compatible with CP/M 2.2, but has many new features—including a high-performance file system. In addition, CP/M Plus automatically logs in a disk when it detects a media change. For easy file selection, time and date stamping options allow the user to record in the disk directory two entries for time and date stamps for each file. (CP/M Plus does not require a hardware card—the user simply boots the CP/M version of the software.)
26-2216 .... 149.95

CBASIC. 4 Ⓕ A super-efficient business language that complements application development under CP/M Plus. This hi-powered version of BASIC has been used to write more commercial business applications than any other microcomputer language. CBASIC works as a compiler/interpreter that uses random access memory more efficiently. That means more memory for the application program. Source code is compiled by CBASIC into an intermediate file composed of pseudo-code (p-code) instructions. During program execution, the CBASIC run-time monitor interprets each P-CODE instruction and performs the operation. CBASIC provides two types of files for maximum flexibility: fixed record length files and stream input/output files. CBASIC also includes native code compilation, relocatable code, convenient linkage to assembly programs, string lengths to 32,000 bytes, debugging capabilities, cross reference lister, support for multi-user operating systems, and more.
26-2217 .... 9⁹

Programming Languages and Utilities

NEW! BASCOM-4. 4 Ⓕ Feature-packed for fast compilation of Model III BASIC programs. Includes compiler, linker routine library and run-time package. 26-2218 .... 195.00

NEW! BASCOM. III Ⓓ 26-2210 .... 195.00

NEW! FORTRAN-4. 4 Ⓕ Write programs in FORTRAN using EDIT-80, a powerful editor with commands for interline and intra-line editing. With compiler, linking loader and arithmetic library subroutines. Includes 250-page manual. 26-2219 ...... 99.95

FORTRAN. III Ⓓ 26-2200 .... 99.95

NEW! Assembly Language Development System. III/4 Ⓓ Powerful package that's a necessity for the assembly language programmer. With full screen Editor, Assembler with sorted cross-reference listing, Linker for creating an absolute file, automatic File Transfer, and Debug modules. Offers numerous important and helpful features and includes TRSDOS 6 and Model III TRSDOS 1.3 support.
26-2012 .... 149.00

Editor/Assembler, Series I. I/III Ⓐ Allows advanced programmers to program in Z-80 assembly language. Includes editor/assembler, sample programs and extensive 255-page manual—including detailed descriptions of the Z-80 mnemonics.
26-2013 .... 34.95

NEW! PowerTool™. I/III Ⓒ A flexible, powerful utility package. PowerTool contains utility routines that allow you to directly examine and modify diskettes written in any version of TRSDOS and LDOS, restore many unreadable diskettes to a readable condition, and format or backup all or part of a diskette. Contains its own operating system.
26-2022 .... 49.95

MODEL 4/III/I BUSINESS SOFTWARE

Interactive Programs to Streamline Your Accounting

NEW FOR '84

199⁹⁵ Each

- Get Increased Speed, Efficiency and Accuracy with Computerized Bookkeeping
- Interactive Programs Give You Greater Control

NEW FOR '84 Only $185 Per Month **On Our Commercial Lease** (Plus Applicable Use/Sales Tax)

Team Up These Programs for Super Efficiency

General Ledger. III/4 Ⓓ Makes small business accounting procedures faster and easier. Maintains accurate records of all bookkeeping transactions and provides a balanced ledger. Use General Ledger alone or interface with the Accounts Receivable, Accounts Payable and Payroll programs for a complete, interactive accounting system. Handles up to 100 accounts and 1150 monthly transactions. Generates easy-to-read financial reports, including Trial Balance (with or without a worksheet), Income Statement, Balance Sheet, General Ledger, Account List with all accounts (or a specified range of accounts) and their current-period and year-to-date balances, Posted Transactions Report and Unposted Transactions Report for the current period. Computes up to five levels of totals and two levels of headings for financial statements. Provides each account's end-of-period balance for the previous fiscal year's 12 periods, as well as each account's end of period balance for all complete periods of the current fiscal year. Lets you compare current year figures with previous year figures on the same balance sheet or income statement. 26-1540 .... 199.95

Accounts Receivable. III/4 Ⓓ A balance forward system which provides rapid and accurate monitoring of sales and incoming funds. Will interface with General Ledger above—all transactions are summarized and the totals are automatically posted to General Ledger. Offers seven standard General Ledger accounts, plus 10 user-definable accounts. Handles up to 2000 transactions per month with up to 150 customers on file. Reports include Unposted Transactions, Posted Transactions, Customer List, General Ledger Account List and Aging Report on selected customer accounts. Offers optional use of minimum payment amount on statements, and optional late charge processing (compounding option also available). You can print mailing labels, statements, an Aged Trial Balance for audit purposes and a General Ledger report. 26-1541 .... 199.95

Superb Programs to Complete Your System

Inventory Control. I/III Ⓑ Retail inventory record-keeping and control for up to 1000 items. Tracks vendors, order dates, backorders, out-of-stock and on-order items. 26-1553 .... 99.95

Manufacturing Inventory Control. I/III Ⓑ Handles up to 1900 raw materials, up to 20 finished goods per diskette. Prints bill of materials, finished goods list and more. 26-1559 ...... 199.95

Business Mailing List. I/III Ⓑ Prints two-across labels. Fast sort in Zip Code or alphabetical order. Handles 990 names with 32K 2-Disk, or 2970 names with 48K 4-Disk. 26-1558 .... 99.95

Minimum Hardware Requirements

I = Model I only	Ⓐ 32K 1-Disk	Ⓓ 48K 2-Disk
III = Model III	Ⓑ 32K 2-Disk	Ⓔ 64K 1-Disk
I/III = Model I/III	Ⓒ 48K 1-Disk	Ⓕ 64K 2-Disk
4 = Model 4 only		

This top-of-the-line Model 4 business system is only $5332 and includes the powerful 64K TRS-80 Model 4 with two built-in disk drives (26-1069), 5-Megabyte TRS-80 Hard Disk Unit (26-1130) and high-performance DMP-500 printer (26-1252; with cable, 26-1401). It's the perfect system for accounting, as well as many other business applications.

Accounts Payable. III/4 Ⓓ Will automatically post transactions and payments to General Ledger program. Handles up to 1100 transactions, 75 vendors, five General Ledger expense distributions per invoice and 14 invoices per check. Includes four General Ledger accounts, plus 10 user-definable accounts. Calculates due dates, discount dates and discount amounts by vendor payment terms. Prints Unposted Transactions List, Transaction Posting Report, Vendor List, Open Items List, Cash Requirements Report, Vendor Mailing Labels, G/L Account List, G/L Distribution Report, Check Review Report (for verification before check printing), Checks, Check Register and Payment Posting Report. 26-1542 .... 199.95

Payroll. III/4 Ⓓ Tracks earnings, deductions and taxes for each employee, as well as employer contributions such as FICA, FUI, SUI and more. Will interface with the General Ledger program. You can customize your system in accordance with local, state and federal tax laws. Processes up to 80 employees, each with up to nine earnings and nine deductions categories. Handles payroll tasks for up to three states simultaneously. Earning/Deduction types allow changing amounts for employees, taxed or exempt. Also define categories for FLSA and EEOC reporting, keep historical records by period, quarter and year, and more. 26-1543 .... 199.95

(Note: Three disk drives required to interface programs. All programs require a printer capable of printing 132 columns or an 80-column printer capable of printing 132 columns in condensed format.)

Fast and Easy Bookkeeping System

Business Checkwriter™. III Ⓓ Ideal for small business! You get a check writer, a detailed check stub for paying multiple invoices, and a bank reconciliation system. Handles multiple accounts individually, 100 payees, 100 expense categories and 375 total checks and deposits per period. Records handwritten checks and multiple daily deposits. Maintains current bank total. Check stub details discounts and expenses. Prints checks, detailed stubs, check register, expense and payee-to-date summaries, payee lists and expense list. Requires printer. 26-1585 .... 149.95

New! Ideal Real Estate Decision-Making Tool

Real Estate Finance. III Ⓓ Ideal for the agent, investor, broker, lender or appraiser. Features Complete Mortgage, Equity, Present Worth and Building Developmental Analyses, as well as Rate of Return, Income and Expense Projections and more. 26-1579 .... 99.95

All Model III Programs Run on Model 4 in Model III Mode

27

TRS-80® MODEL 4 CASSETTE SYSTEM

Expansion covers simulate disk drives

16K Model 4

NEW FOR '84

999⁰⁰

AS LOW AS $56 PER MONTH

- ■ **Self-Contained Desktop Unit Includes Keyboard, Datapad and Monitor**
- ■ **High-Resolution 12" Monitor Displays 16 Lines of 64 Characters**
- ■ **Powerful BASIC in ROM** ■ **Ready-to-Run Programs Available**
- ■ **Built-In Printer Interface** ■ **Easy Internal and External Expansion**

16K TRS-80 Model 4. An affordable personal computer that's ideal for beginners and pros alike—it's easy to use and hard to outgrow! With our ready-to-run software, you can put Model 4 to work or play immediately. Or learn BASIC programming with the excellent Model 4 beginner's manual. And when you're ready, this cassette-based system expands easily and economically into a full-powered disk-based system to take advantage of all the new Model 4 disk features described on page 22.

Who is the Model 4 for?

The cassette-based Model 4 is ideal for beginning computer enthusiasts who want an excellent "starter" system. It's affordable and has a vast software library to choose from. The Model 4 is also an excellent choice for professional people who may later want to expand it into a powerful business system, and for schools to use in classroom networks.

Huge Software Library. By simply adding a cassette recorder (below), you can use a tremendous selection of ready-to-run Model III software. Set up a household budget, computerize your club's mailing list, create a home inventory file, teach your kids, play exciting computer games, and much more! Model 4 can analyze statistics and even become an incredibly low-cost word processor. There are also languages and utility programs for both the beginning and advanced programmer.

A System with Big Capabilities. As your computing needs grow, Model 4 can keep pace. This cassette-based system expands easily with extra memory, disk drives, even an RS-232 port. Just add our 64K RAM Kit and an internal disk drive and have a powerful disk-based Model 4 (installation required—not included). You can also expand with accessories like a printer, plotter, digitizer, telephone interface and external floppy disk or hard disk drives. Includes easy-to-use 340-page beginners's manual to get you started in programming. U.L. listed.
26-1067 . . . . 999.00

SPECIFICATIONS. Microprocessor: Z-80®A 8-bit. **Clock Speed:** 2.03MHz. **Memory:** 14K ROM, 16K RAM (expandable to 64K). **Keyboard:** 70-key typewriter-style with control key, 3 programmable function keys (F1, F2, F3), caps key and 12-key datapad. **Video Display:** Memory mapped with high-resolution 12" monitor. 64 or 32 characters by 16 lines, upper and lower case. 96 text, 64 graphics and 96 "special" characters. **External Connections:** Computer-controlled cassette interface at 500/1500 baud selectable under ROM BASIC. Parallel printer port. Buffered input/output bus. **Dimensions:** 12¹/₂ × 18⁷/₈ × 21¹/₂". **Power:** Integral power supply, 105-130VAC, 60 Hz.

CCR-81 Cassette Recorder

59⁹⁵

- ■ **Cue/Review and Tape Counter for Easy Indexing**
- ■ **LED Data Record Indicator**

Ideal for loading and recording programs and data on cassettes. Includes cable. U.L. listed AC operation or 4 "C" batteries (not included). 26-1208 . . . . 59.95

EXCITING GAMES FOR MODEL 4/III/I

Game Players Will Enjoy These Classic Favorites

Bedlam. 1 / 2 Escape the asylum! Dodge guard dogs and insane patients! Different exit every time. 26-1917 . . . . 14.95

Monty™ Plays Scrabble®. * 3 54,000-word vocabulary! Keeps score automatically. Graphics and sound effects. 26-1954 . . . . 34.95

Space Warp. 1 / 2 Seek out and destroy the alien vessel. Ten levels of play. 26-1912 . . . . 14.95

Monty™ Plays Monopoly®. * 3 A tough, entertaining competitor! Computer-generated dice. Graphics and sound effects. 26-1952 . . . . 34.95

*Requires board game and optional mini-amplifier

Haunted House. 1 / 2 Solve the mysteries and escape the ghostly mansion! 26-1910 . . . . 9.95

Pyramid. 1 / 2 Explore an Egyptian tomb for hidden treasure—but watch out for traps! 26-1909 . . . . 14.95

ZORK™. 3 Enter into a fantasy of danger and opportunity. One of the most popular adventure games ever! 26-1951 . . . . . . 39.95

Raaka-Tu™. 1 / 2 Search for treasure in a mysterious temple, but watch out for the guards! Use all the magic you can muster! 26-1915 . . . . 14.95

Xenos. 1 / 2 / 3 Discover and destroy what has wreaked havoc on the deserted town! 26-1955 . . . . 24.95

New Game Challenges

NEW! Games Pack 2. 1 / 2 Includes Defense Command and Stellar Escort. 26-1925 . . . . 24.95
Disk Version. 3 26-1926 . . . . 24.95

NEW! Games Pack 3. 1 / 2 Includes Cosmic Fighter and Meteor Mission II. 26-1923 . . . . 24.95

Disk Version. 3 26-1924 . . . . 24.95

NEW! Magic Carpet. 1 / 2 Interactive adventure game for youngsters. 26-1919 . . . . 9.95

NEW! Starquest. 1 / 2 Explore a planet and fight off aliens! 26-1920 . . . . 14.95
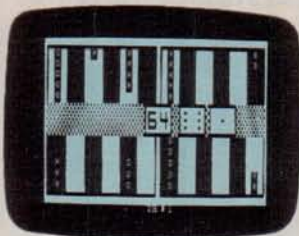
Gammon Gambler™. 1 / 2 Challenge your computer—a great way to sharpen your backgammon skills. Graphically displays board and pieces. Ten skill levels. 26-1916 . . . . 19.95
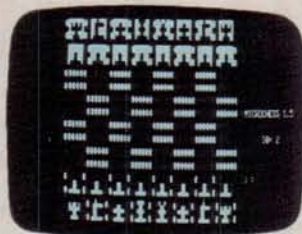
Microchess. 1 / 2 Put your chess skills to the test against the computer! There are three levels of difficulty to choose from. For beginners or advanced players. 26-1901 . . . . 19.95

Flying Saucers. 1 / 2 It's up to you to shoot the deadly alien "spy saucers" down in "real time" with your laser cannon. Fast-paced fun! Nine skill levels. 26-1905 . . . . 9.95
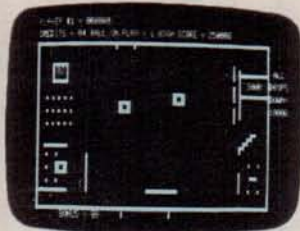
Paddle Pinball. 1 / 2 Combines fast paddle action with a pinball field that you can vary. Create an arcade atmosphere with sound effects from an optional audio amplifier. 26-1914 . . . . 9.95

Minimum System Requirements

1—16K Level II   2—Model III BASIC
3—32K 1-Disk

Cassette software requires a TRS-80 Model 4/III/I computer and a cassette recorder (such as our CCR-81, page 28).

Model III Software Runs on a Model 4 in Model III Mode

29

MODEL 4 SYSTEMS AND SOFTWARE

Versatile and Affordable Starter System

1297⁹⁰

1297⁹⁰ As Low As $73 Per Month on CitiLine Credit   **Everything You Need To Start Computing**

This 16K cassette-based Model 4 system is the ideal choice for beginning computer enthusiasts! It includes the Model 4 computer (26-1067) and our CCR-81 Cassette Recorder (26-1208) which makes it easy to use a wide selection of ready-to-run software. Create a home inventory or recipe file, computerize your club's mailing list, teach your kids, play exciting computer games and much more. Or write your own programs in the powerful Model 4 BASIC and store them on cassette tapes. You can get program listings with the CGP-115 Color Graphics Printer (26-1192), as well as create sharp-looking graphs, charts and diagrams in four vivid colors. The system is complete with printer cable (26-1401) and Model 4 learner's manual.

SCRIPSIT® Word Processing

39⁹⁵

- Edit, Move or Delete Text Before You Print
- Easy to Learn—Comes With Training Course on Cassette Tape and Manual

[1 / 2] Compose and edit your text on the video display, then use an optional printer to produce correcton-free originals. Save your text on cassettes for later revision or update. Features include centering, headers, footers and more! Lets you find or replace specified words, too. 26-1505 . . . . 39.95

Easy-to-Use Budget Management

[1 / 2 / 3] A terrific low-cost way to keep up with and control your home budget. Records up to 60 budgeted accounts with 25 cash expenses, plus 20 savings transactions and 50 checks per month. Prints various reports with optional printer.
26-1603 . . . . 19.95

DEBUG for Advanced Programmers

[1 / 2] Display blocks of memory in 128 or 256-byte full-screen mode. Displays Z-80 registers and contents. Also allows modifications to RAM and registers. Includes single step execution of programs and breakpoint interruption of execution.
26-2000 . . . . 19.95

Series I Editor/Assembler

[1 / 2] Includes manual with Z-80 instruction set. Editor features automatic line numbering, single-letter commands, plus optional parameters, global search and more. Assembler features single-letter commands with optional switches and eight pseudo-ops.
26-2011 . . . . 29.95

Easy-to-Operate Personal Business System

1796⁹⁵

1796⁹⁵ As Low As $101 Per Month on CitiLine Credit   **Ideal for Home or Business Use**

For small business applications in your home or office, the 16K Model 4 (26-1067) is the way to go. And as your needs grow, Model 4 will easily expand into a powerful disk-based system. You can load our ready-to-run software with the CCR-81 Cassette Recorder (26-1208). The DMP-200 Dot Matrix Printer (26-1254) with cable (26-1401) gives you draft-quality correspondence and reports with the optional SCRIPSIT® word processing program (below). Model 4 BASIC gives you advanced programming features for greater creativity and usefulness. You can't top a Model 4 system like this for personal budget or investment portfolio handling, statistical analysis, mailing lists, real estate calculations and many other business uses.

Advanced Statistical Analysis

Analyze Data and Forecast Trends

[1 / 2 / 3] Ideal for business, education and administration. Includes random sample, descriptive statistics, histogram, frequency distribution, analysis of variance, T-test for matched pairs, correlation and linear regression, multiple linear regression, time series analysis, and Chi square analysis.
26-1705 . . . . 39.95
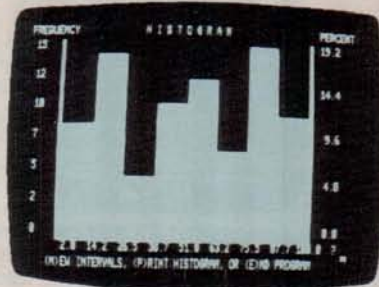
Model III BASIC Tape Instruction Course

[2] Features an introduction and eight lessons with many helpful quizzes and examples. Explains programming, editing, the use of variables, operators and commands, data storage, special Model III BASIC features, machine language subprograms, and more! 26-2015 . . . . 24.95

Easy-to-Learn Model III Pascal

[2] Great introduction to this structured programming language. Fixed point, non-array version of PASCAL. Includes sample programs to get you started. Model III Pascal is complete with monitor, compiler and editor. 26-2020 . . . . 19.95

Applications Sourcebook

Thousands of listings for education, business, industry/profession, statistics/math, home and games programs. Includes a variety of vendors. Programs neither seen nor tested by us so we cannot be responsible for any problems. 26-2114 . . . . 4.95

MODEL I/III/4 EXPANSION OPTIONS

Increase Your TRS-80 Model III/4 Disk Storage
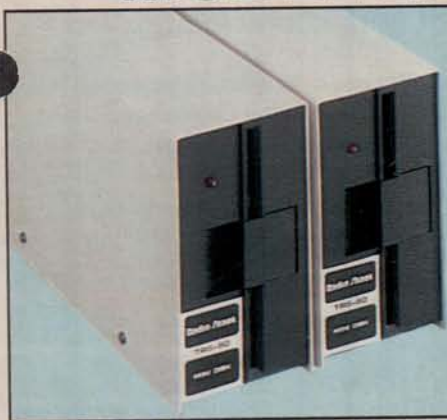
Upgrade your Model 4 or III from a cassette system to a disk system configured to your particular storage needs.

NEW! Model 4 Internal Drive 1. Includes a 184K, 5¹/₄" double-density disk drive with TRSDOS 6 operating system, Disk BASIC and manual. 26-1127 . . 649.00*

Model III Internal Drive 1. Includes TRSDOS, Disk BASIC and manual. 26-1162 . . . . 649.00*

Model III/4 Internal Drive 2. 26-1163 . . . . 239.95*

External Disk Drives. Each drive adds 184K of data storage to your Model III or 4. Uses 40-track 5¹/₄" diskettes. Internal Drive #1 required. U.L. listed.

New Low Price! Drive 3. Was $359.00 in Cat. RSC-10. 26-1164 . . . . 319.95

New Low Price! Drive 4. Was $319.00 in Cat. RSC-10. 26-1161 . . . . 279.95

Access Information by Phone With TRS-80 Communications Software and Accessories

CompuServe Lets You Keep Up with the World. Get "on-line" with this exciting information service—and the first hour is free! Send and receive "electronic mail", access the latest news, weather and sports from the Associated Press and leading newspapers, obtain information on a variety of topics, play exciting computer games, get 16K of RAM workspace and 128K of disk storage for your own use and much more! All this is available at CompuServe's low hourly rate (additional charges for some services).

Keep on Top of Finance with Dow Jones. You get a "direct line" to Wall Street—and the first hour is free! Dow Jones News/Retrieval gives you current market quotes (subject only to the mandatory 15-minute delay) on all stocks, bonds and options traded on the major exchanges—plus selected U.S. Treasury issues. There's also "electronic editions" of *The Wall Street Journal*, *Barron's* and the Dow Jones News Service and a vast, detailed data base of corporate financial information.

Low-Cost TRS-80 Videotex Packages. TRS-80 Videotex software allows access to major information data bases using your computer and an optional-extra telephone interface. Each easy-to-use package includes a TRS-80 Videotex software manual, CompuServe manual, ID

number and password, and a Dow Jones manual and password—including one free hour on both networks. After that, you'll be billed at their low hourly rates.

TRS-80 Model I/III Package. 26-2220 . . . . 29.95

TRS-80 Color Computer Package. 26-2222 . . . . 29.95

Universal Sign-Up Kit. No software included. Intended for use with your software or terminal. 26-2224 . . . . 19.95

Model III/4 RS-232C Serial Communications Board and Cable. Allows you to communicate with information networks and other computers by telephone. Send or receive electronic mail, access community bulletin boards and much more. Requires modem and software. 26-1148 . . . . 99.00

Model I RS-232C Interface Board. Requires Expansion Interface. 26-1145 . . . . 99.00

RS-232C Communications Software. Allows communications between a pair of Model I and/or Model III computers over phone lines. Requires modem and communications interface. For 16K Level II, Model III BASIC or 32K 1-Disk systems. 26-1149 . . . . 39.95

Radio Shack's "Videotex Plus" Software for TRS-80 Model I, II, III, 4, 12 and 16 Computers

- "Auto Log-On" Gives Easy Access to Major Data Networks
- Advanced Features Reduce "On-Line" Time to Save You Money
- Save Data on Disk for Later Viewing and Hard-Copy Printouts

Videotex Plus. Now you have a powerful and sophisticated communications package for your TRS-80 disk system. Videotex Plus lets you communicate with any computer information service (with the same communications protocol as Videotex), such as CompuServe® and Dow Jones News/Retrieval®. It's simple to use, yet loaded with features to help you minimize connection time. There's even an option that lets you use the auto-dial feature found on many telephone modems, including our D.C. Modem II (26-1173) and the high-speed DC-1200 Modem (76-1005). Videotex Plus also includes on-screen editing for tailoring the auto log-on sequence to your particular needs.

Convenient Features. You can save information to disk for later viewing, editing or transmission. Reduce connection time by loading into memory what you want to transmit before you log on. Features function keys to define often-used commands and a printer control for hard-copy output to an optional printer.

Versatile. Videotex Plus is composed of three major modules: the primary communication program, a specialized program for use with "store and forward" information services, and a module that lets you create and edit log-on sequences and save them on diskette for later use with the special automatic log-on procedure.

Model I/III Package. I/III Ⓐ Requires telephone interface. Includes one free hour on CompuServe and Dow Jones. 26-1588 . . . 49.95

NEW! Model 4 Package. 4 Ⓔ Same as above. 26-1598 . . 49.95

Model II/12/16 Package. Same as above. 26-4721 . . . . 49.95

Model 4/III/I Upgrade and Expansion Kits to Meet Your Growing Computing Skills

NEW! Model 4 Upgrade Kit. Converts Model III disk-based system to a Model 4 disk-based system (except for cabinet). Includes new keyboard, 64K RAM, and TRSDOS 6 diskette with Disk BASIC. 26-1123 . . . . 799.00*

New Low Price! Model 4 64K RAM Kit. Expands 64K Model 4 to 128K. Also required for Model 4 cassette-to-disk upgrade. Was $149.00 in Cat. RSC-10. 26-1122 . . . . 79.95*

Minimum System Requirements

1—16K Level II   2—Model III BASIC   3—32K 2-Disk

Cassette software requires a TRS-80 Model 4, III or I computer and a cassette recorder, such as our CCR-81 Computer Recorder on page 28. Programs that run under Model III BASIC will also run on a Model 4 (in Model III mode).

Model III 16K RAM Expansion Kit. 26-1102 . . . . 49.00*

Model III BASIC and 16K RAM Kit. Upgrades your 4K Level I to Model III BASIC. For Model III only. 26-1121 . . . . 299.00*

Model III/4 LDOS™ Operating System. LDOS is an advanced disk operating system that offers the TRS-80 user many features and enhancements that are not included in our TRS operating system. LDOS adds data transportability—you can read LDOS diskettes on a TRS-80 Model I or on a Model III or 4. Includes an extensive operating manual with examples of functions, a glossary and handy cross-reference index. Most Radio Shack software is supported under LDOS (documented with purchase). 26-2214 . . . . 129.00

Model I 16K RAM and Keypad. 26-1101 . . . . 130.00*

Level I to II ROM Upgrade. Compatible with 4K or 16K RAM. 26-1120 . . . . 150.00*

Model I Numeric Keypad Kit. 26-1103 . . . . 79.00*

GET VITAL AGRICULTURAL REPORTS

Access a World of Agricultural Information

Complete TRS-80 Model 4 AgriData System

199⁹⁵

USE YOUR [CITILINE]

- ■ 24-Hour Access to Worldwide Marketing News
- ■ Local and State Weather Outlook and Alerts
- ■ Timely, Complete Ag News ■ Electronic Mail

AgriData™. III Ⓒ Now any professional farmer or rancher can easily access the latest agricultural marketing, finance, news, weather, general business and production information. AgriData's information is updated constantly. Use it to design your own personal information service. Keep up with the markets—cash, futures and the financial and stock markets. And you can communicate with other agribusiness people anywhere in the country.

Easy to Use. All you need is a Model III or Model 4 and a telephone interface. You can talk to AgriData in "plain English" and access any report with just a few keystrokes. AgriData includes a user's manual with quarterly updates, a reference flip chart, a subscription to *Farm Futures* magazine, a newsletter and a toll-free 24-hour support service from AgriData Resources. (Price includes first six months of service—connect fees and information charges billed separately. After six months your basic service fee is only $39 a month, with connect-time charges a low $25 per hour and information charges averaging just 25 cents per report.) 26-2227 . . . . 199.95

2418⁸⁵

Commercial Lease Available for Only $85 Per Month
(Plus Applicable Use/Sales Tax)

- ■ Model 4 Computer (26-1069)
- ■ D.C. Modem II (26-1173) and Cable (26-1408)
- ■ AgriData Program (26-2227)

New! Streamline Your Operations with AgDisk™ Agricultural Software

The AgDisk agricultural software gives today's farmers and ranchers a valuable decision-making tool for crops, livestock, money, machinery, marketing and accounting. You can analyze hundreds of options before committing your labor or capital. Each easy-to-use AgDisk program uses plain English commands, and comes with a complete, concise manual. And in most programs, there's even a sample demonstration to help familiarize you with the program before using it. Best of all, the programs adapt to your particular management needs. Each program requires 80-column printer.

Farm Accounting Package. III Ⓓ Make record keeping easier and faster! You can have double-entry accuracy with the ease of a single-entry function, using either cash or accrual basis. Six preselected account lists cover most farm or ranch operations to help save you time. In addition, you control the length of an accounting period, all report headings, the sequence in which reports are printed and much more. Reports include Detail Trial Balance, Income Statement, Balance Sheet, Period-to-Date Register and Accounts Payable list. 26-1546 . . . . 499.00

Financial Management. III Ⓒ This diskette contains five programs, each dealing with a different area of money management. The Land Purchase Analysis program lets you make an in-depth cash flow study before any purchase is made. You can accurately calculate cash flow per acre, ratio of borrowed money versus market value, loan balance per acre and loan payment per acre. A market value graph clearly illustrates the projected value of land, the loan balance and equity. A cash flow summary is also provided for each year of the loan. Other Financial Management programs include Depreciation Schedules, Farm Profit Analysis, Loan Cost Calculator and Interest Income Calculator. 26-1547 . . . . 99.95

Machinery Management. III Ⓒ Track vital information about your farm machinery. You can calculate the total fixed and variable costs of virtually any piece of machinery. Determine total operating costs per year, per acre and per hour, plus a breakdown of costs for depreciation, interest, taxes, insurance, housing, labor and repair. Machinery Management contains programs that let you determine the benefits of leasing versus buying and ownership versus custom-hiring. A Loan Cost Calculator program is also included.
26-1548 . . . . 99.95

AgDisk Corn/Soybean Management. III Ⓒ An indispensable tool when narrow profit margins leave little room for error. The diskette contains five programs—Grain Storage Decisions, Harvest Loss Calculations, Crop Yield Calculator, Field Population Calculator and Planter Calibration Calculator. Determine combine efficiency, estimate yields, figure planter settings and perform many other tasks. 26-1549 . . . . 99.9

New! Time-Saving AgDisk VisiCalc® Templates

AgDisk makes the popular VisiCalc "electronic worksheet" program (described on page 25) easy to use for agricultural applications. VisiCalc instantly provides answers to an unlimited number of "What if . . . ?" questions. And the AgDisk Templates automatically load your headings and formulas into VisiCalc—saving you hours of setup time. You just input the data requested. And when you change a data entry such as price, cost, or interest rate, you instantly see the effects of that change. Requires 80-column printer.

Business Management. III Ⓓ For the general management needs of any farm or ranch. Includes templates for depreciation, land purchase, business analysis, credit line, installment loan, investment payback and net present value.
26-1610 . . . . 69.95

Cow-Calf Herd Management. III Ⓓ Specifically designed for producers who pasture and breed cows for the production of calves or yearlings. Includes templates for beef cow-calf, cattle weaning, yearling weight, bull test records, gestation calendar, metabolizable protein and urea fermentation potential, and ration formulation. 26-1611 . . . . 69.95

Crop Management. III Ⓓ Helps with a broad range of crop decisions. Includes templates for grain marketing, grain yield, corn yield, gross margin, hybrid selection, growing days, field calculations, lime recommendation, pivot application, fertilizer needs and fertilizer cost. 26-1612 . . . . 69.95

Feedlot Cattle Management. III Ⓓ Provides important information when finishing cattle for sale to packing plants. Includes templates for cattle feeder, higher grade, steer marketing, carcass evaluation, cattle net energy, metabolizable protein and urea fermentation potential, protein supplement and ration formulation. 26-1613 . . . . 69.95

All Model III Programs Run on Model 4 in Model III Mode.

TRS-80 DATA TERMINALS AND MODEMS

Easy-to-Use Portable Terminal

795⁰⁰

"No Compromise" Data Terminal

699⁰⁰

Keyboard Selectable Configurations —No DIP Switches

- Whisper-Quiet Printer
- Built-In Acoustic Coupler

Handset not included

PT-210 Portable Data Terminal. Access your office computer and data networks anywhere you go! Just plug in the detachable AC line cord, dial a phone number and slip the telephone handset into the built-in acoustic coupler to send and receive data from almost any modem-equipped computer. Weighs only 15 pounds. U.L. listed. FCC registered. 76-1001 . . . . 795.00

RS-232C Interface Module. Converts your PT-210 into a dumb terminal/printer that connects directly to your office computer (cable not included). 76-1002 . . . . 69.95

Thermal Paper. 8¹/₂" wide, 100-ft. roll. 76-1003 . . . . . 6 rolls/24.95

Travel Case. Padded vinyl, handy inside pockets. 76-1010 . . . 24.95

SPECIFICATIONS. Communication Method: Asynchronous, serial by bit and character. **Parity:** Odd, even, none. **Speed:** Switch selectable—110 and 300 baud. **Mode:** Full or half-duplex. **Compatibility:** Bell 103A. **Line Status:** On line/local. **Coupler Mode:** Originate only **Keyboard:** Standard ASCII with 67 printable, upper case characters, 99 codes, 32 control characters. **Printer:** Non-impact thermal, 35-element (5×7) matrix, contrast adjustable, 50 cps. **Line Length:** 8" (80 cpl), 6 lines per inch. **Dimensions:** 5 × 15¹/₂ × 14¹/₂". **Power:** 120VAC, 60 Hz. 75 Watts

- Memory Retains Configurations Even When Power is Off
- Full 80 × 24 Modifiable Video Display With Dual-Speed Cursor
- Typewriter-Style Keyboard With 12-Key Numeric Datapad

TRS-80 DT-1 Data Terminal. Ideally suited for communications with advanced systems like our multi-user Model 16 or other host computers. It's totally code compatible with the TeleVideo® 910, Lear Siegler® ADM-5, ADDS 25 and Hazeltine® 1410 terminals. Protocol is retained even when power is off—and without battery back up! Special single-character symbols display control characters. A local monitor mode lets you enable printer ports and position the cursor using local control and escape modes. U.L. listed. 26-6050 . . . . 699.00

SPECIFICATIONS. Data Transfer: Ten keyboard selectable rates: 75, 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19,200 baud. **Video Size/Format:** 24 lines of 80 characters, upper and lower case. **Cursors:** Four keyboard-selectable types: Steady or Blinking Block, Steady or Blinking Underline. **Video Attributes:** Normal, Reverse, Invisible, Blink, Underline and Half-Intensity Video. **Keyboard:** 70-key, including 12-key datapad. **I/O Ports:** One RS-232C communications port, one serial and one parallel printer port. **Dimensions:** 12¹/₂ × 18⁷/₈ × 21¹/₂". **Power:** 120VAC, 60 Hz. 30 Watts

NEW FOR '84

USE YOUR **Radio Shack CITILINE**

Ⓐ **149⁹⁵**

USE YOUR **Radio Shack CITILINE**

Ⓑ **99⁹⁵**

USE YOUR **Radio Shack CITILINE**

Ⓒ **199⁹⁵**

TRS-80 Data Communications Modems

All Radio Shack modems are compatible with any RS-232C-equipped TRS-80. Bell 103, 300 baud, full duplex, originate and answer. FCC registered. U.L. listed 120VAC power module.

Ⓐ **Acoustic Coupler AC-3.** Dial desired number and place handset on interface. Half duplex also. 2³/₈ × 4³/₄ × 10¹/₄". 26-1174 . . . . 149.95

Ⓑ **Direct-Connect Modem I.** Plugs directly into phone outlet. DB25 and 4-pin DIN connectors. 2 × 6¹/₂ × 7¹/₂". 26-1175 . . . . 99.95

Ⓒ **Auto-Answer, Auto-Dial D.C. Modem II.** Fully programmable. Automatically dials and answers phone, receives and transmits data, hangs up phone. Remote and local test modes. Half duplex also. 2 × 6¹/₂ × 7¹/₂". 26-1173 . . . . 199.95
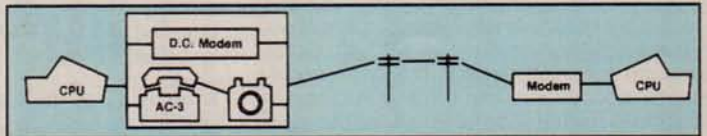
What is a Modem? A modem ("modulator-demodulator") translates the electronic impulses that make up computer information into tones that can be sent over telephone lines. It likewise translates messages coming into your computer. Modems make it possible to access information services and to communicate with other computers.

High-Speed 300/1200-Baud Modem Cuts Long-Distance Costs and Saves You Money!

699⁰⁰

- Modular Plug Connects Directly to Phone Line
- Manual Originate and Automatic Answer
- Compatible With All TRS-80s With RS-232

Direct-Connect Modem DC-1200. Ideal for handling big transmissions. Quadruples the baud rate, reducing each phone bill to a fourth of what it otherwise would have cost. "Auto Answer" allows a host computer to call you, and if your computer is properly configured, you can begin receiving information automatically. The modem automatically adjusts to the incoming baud rate. To originate, you just set the baud rate to match the host or service, run your communication software package, and place the call. U.L. listed AC power module. FCC registered. 76-1005 . . . . 699.00

Auto-Dial Module for DC-1200. 76-1009 . . . . 149.95

Multi-Line Controller. Connects modem to 5-phone office system. 43-233 . . . . 39.95

Duplex Jack. Connects phone and modem to modular jack. 279-357 . . . . 6.95

Use Modems only with Bell-compatible equipment. Direct-connect modems are not for multi-line use without optional-extra controller.

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SUPERB GRAPHICS PERIPHERALS
Affordable Flatbed Color Plotter/Printer

995.00

AS LOW AS

Radio Shack CITILINE **$56 PER MONTH**

Get High-Speed Plotting and High-Quality Four-Color Graphics for Business, Personal Finance and Entertainment

FP-215. Create incredible color graphics! It's easy to produce pie charts, tables, maps, bar graphs and more using simple BASIC ASCII command codes and parameters. Turn rows of numerical data into easy-to-understand graphics. Ideal for business information such as financial trends, production data and market forecasts. The FP-215 also prints both upper and lower case characters with the BASIC LPRINT and LLIST commands. You can print in a horizontal or vertical format under hardware or software control.

Ready to Use. Because the FP-215 has both parallel and serial interfaces, it is compatible with all our TRS-80 desktop computers. Front panel controls include on/off-line, pen up/ down and pen motion buttons and recessed pen storage wells. Performs single pen plotting, and pens can be changed easily to make multi-color plots. Red, blue, green and black pens included (replacements, at right). Features self-test and automatic print functions. U.L. listed. 26-1193 . . . . 995.00

SPECIFICATIONS. Paper Size: $10^1/8 \times 14^5/16$" or $8 \times 11^1/2$". **Plot Size:** $7^5/16 \times 10^5/8$" or $8^1/2 \times 11^3/4$". **Plot Speed:** 100 mm per second ($3^{15}/16$ ips). **Step Size:** 1 mm. **Dimensions:** $4^5/8 \times 16^1/8 \times 14^5/8$". **Weight:** 22 pounds. **Power Requirements:** 105-135VAC, 60 Hz, 90 Watts.

Clear Plastic Film. Use with our Multi-Pen Plotter (26-1191) to make transparencies. Fifty $8^1/2 \times 11$" sheets. 26-1479 . . . . 13.95
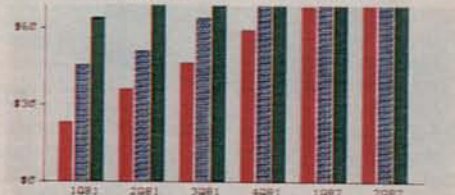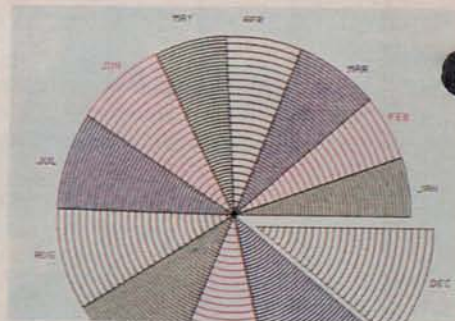
Hard-Nib Pens for FP-215 (for paper)—$3.95 each			
Color	Cat. No.	Color	Cat. No.
Black	26-1343	Blue	26-1345
Red	26-1344	Green	26-1346
Pens for Multi-Pen Plotter (26-1191)—$3.95 each			
Color	For Paper	For Transparencies	
Red	26-1460	26-1470	
Blue	26-1461	26-1471	
Green	26-1462	26-1472	
Violet	26-1463	26-1473	
Brown	26-1464	26-1474	
Orange	26-1465	26-1475	
Black	26-1466	26-1476	

TRS-80 Color Computer Graphics Input Tablet

GT-116 "X-PAD". A multi-purpose input device that's a breeze to use! Reads your drawn or traced design into your TRS-80 Color Computer. Ideal for medical, business, architectural, educational and other graphics applications. Tablet contains all necessary electronics and is combined with a special passive surface for easy drawing—scaled to be directly compatible with display screen size. Comes with pen equipped with a pressurized leakproof standard ink cartridge that is easily changed or replaced with a stylus for tracing. Menus and other options simplify data input, so keyboarding is minimized. Compatible with machine language routines for high-speed drawing. Easily accessed by Extended BASIC graphics commands. Software included provides interactive menu for all drawing routines, plus user-defined menu functions. Plugs directly into Program Pak™ slot (Color Computer 2 requires Multi-Pak Interface). 25-1196 . . . . 349.95

SPECIFICATIONS. Writing Area: 7×9"—scaled to be directly compatible with screen size. **Menu Area:** Active to full $8^1/2 \times 11$" size. **Pad Size:** 11×13". **Power Requirements:** Supplied by Color Computer.

349.95

AS LOW AS

Radio Shack CITILINE **$28 PER MONTH**

- Input Graphics at the Touch of a Pen
- Compatible with Computer Graphics Capability
- Built-In Menu Area

Provides Instant Graphics

34
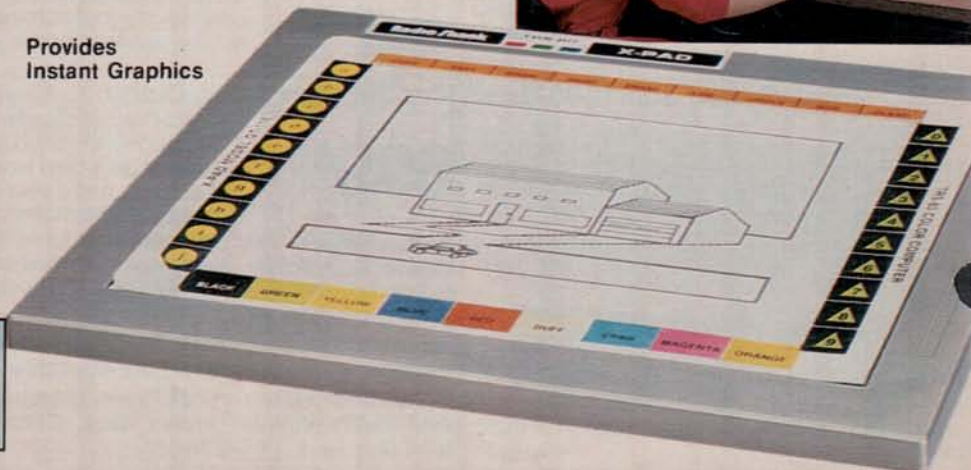
TRS-80 COLOR GRAPHICS PRINTERS

Low Cost, Low Noise Color Ink-Jet Printer

699⁰⁰

AS LOW AS **$41 PER MONTH** (Radio Shack CITILINE)

- **High-Resolution Ink Jet Printer**
- **Prints in Seven Vivid Non-Smearing Colors**
- **Incredibly Quiet Printing**

Uses Easily-Replaced Ink Packs

CGP-220. This drop-on-demand ink-jet printing system quietly prints text and graphics in yellow, violet, red, green, cyan, magenta and black! Prints 2600 dots/second in graphics mode with a resolution of 560 dots/line (monochrome) and 640 dots/line (multi-color mode). Text mode gives you 12 cpi at 37 characters (7 x 5) per second. A screen print utility for the TRS-80 Color Computer will allow multi-color printouts of color graphics screens produced from any graphics program. Selectable parallel and Color Computer-compatible serial interfaces (600/ 2400 baud). Uses 8¹/₂" paper. U.L. listed. 26-1268 . . . . 699.00

Replacement Ink Packs. Long-life ink packs provide approximately 3-4 million characters per color. Non-smearing.
Black Ink Pack. 26-1281 . . . . 9.95
Tri-Color Ink Pack. 26-1282 . . . . 14.95
Roll Paper. Recommended for best print quality. 26-1333 . . . . Pkg. of 3/9.95
8¹/₂ x 11" Paper.
26-1341 . . . . 250 Sheets/6.95

Screen print utility gives you spectacular, seven-color printouts of TRS-80 Color Computer displays.

Incredibly Affordable, Ultra-Compact Color Graphics Printer

Prints in Red, Blue Green and Black

199⁹⁵

USE YOUR (Radio Shack CITILINE)

- **Uses Easily Replaceable Ink Cartridges**
- **Includes Serial and Parallel Interfaces**
- **Simple-to-Use Commands**

CGP-115. It's hard to believe that the small, inexpensive CGP-115 Color Graphics Printer can be so versatile. Measures just 2¹⁵/₁₆ x 8¹/₄ x 8¹/₂" and weighs only 1³/₄ pounds. You can create a variety of graphic output from charts to computer-generated "doodles". Prints in red, blue, green and black on 4¹/₂" wide paper. Drawing and plotting is simplified with CGP-115's built-in commands. Text mode prints 40 or 80 characters per line at 12 characters/second—ideal for program listings and output. Software controls additional character sizes and rotation. Uses easily replaceable ink cartridges. U.L. listed. 26-1192 . . . . 199.95
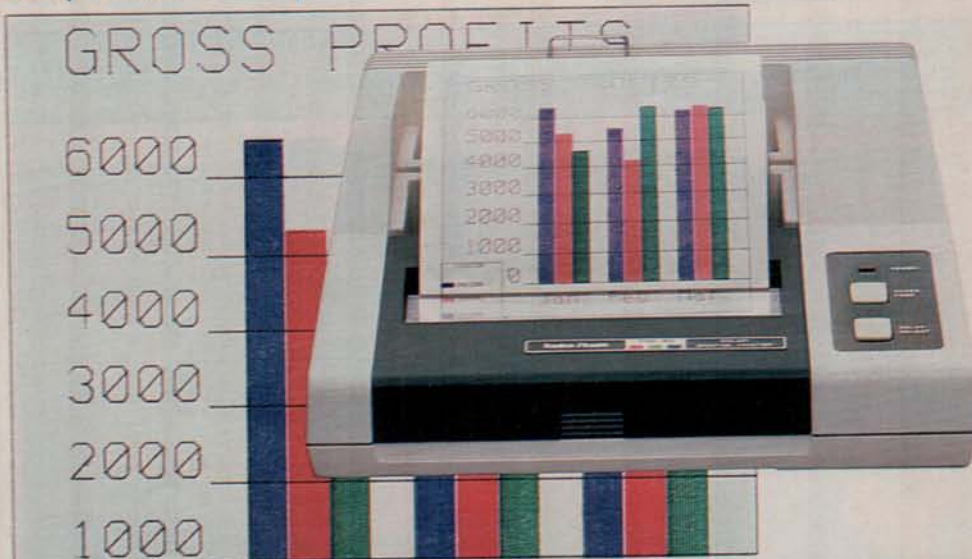
Replacement Pens and Paper
Black Pens. Set of 3. 26-1480 . . . . . . 2.95
Color Pens. One each: red, green, blue. 26-1481 . . . . 2.95
Roll Paper. 4¹/₂" wide, 150-ft. long. 26-1428 . . . . Pkg. of 3/4.95

SPECIFICATIONS. Plotting Range: X-axis— 3¹³/₁₆ inches (480 steps), Y-axis—no limit. **Plot Speed:** 2¹/₁₆ inches/sec. **Print Speed:** 12 characters/sec. **Characters/Line:** 80 or 40 (text mode). Any size from 1 to 80 per line (graphics mode). **Power Requirements:** 120VAC, 60 Hz, 23 Watts.

TRS-80 9½" DOT-MATRIX PRINTERS

Low-Cost, Triple-Mode "Personal Printer"

AS LOW AS

NEW FOR '84 **399⁰⁰** CITILINE **$28 PER MONTH**

- Word Processing, Data Processing and Dot-Addressable Graphics
- Includes New Cursive and Microfont Styles

Our Lowest-Priced Graphics, Too!

DMP-110. High-performance printing has never been this affordable! WP mode (25 cps) gives you proportionally-spaced or correspondence-quality characters for letters and reports. DP mode (50 cps) prints mono-spaced characters (standard, elite or condensed)—ideal for program listings. You can also get italic, super and subscripts, underline and microfonts. Prints original, plus one copy on 4" to 10" fanfold paper or single sheets. Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1271 .... **399.00**

SPECIFICATIONS: Print Density: 10, 12 and 17 standard characters per inch. All fonts can be elongated. WP fonts include 10 and 12 cpi, cursive, microfont, mono-spaced, plus proportional set. Speed: 50 cps in DP mode, 25 cps in WP mode. Character Set: 96 ASCII. Bit Image: 960 dot addressable 16-dot columns. Dimensions: 4⁵/₈₆ × 16¹/₂ × 12⁷/₁₆". Weight: 12 lbs. Power: 120VAC, 60 Hz, 30W.

Affordable, High-Speed Dot-Matrix Printer

AS LOW AS

NEW FOR '84 **499⁹⁵** CITILINE **$30 PER MONTH**

- Prints 120 Characters Per Second
- Bi-Directional, Logic-Seeking Head
- Bit-Image Mode for Printing Graphics

DMP-120. Get a throughput speed faster than you thought possible from a printer priced this low! Ideal for data processing and general purpose use. Prints 80 upper and lower case 9×9 (9×8, plus underline) dot-matrix characters on an 8" line—51 lines per minute at 10 characters per inch. Features underline capability, and elongated and condensed modes. Bit-image mode allows impressive graphics, too! Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1255 .... **499.95**

Speed and Graphics

SPECIFICATIONS. Print Density: 5, 10, 8.3 or 16.7 characters per inch. Graphic Density: 60 × 72 dots per sq. in. Print Speed: Standard 10 cpi—120 characters per second, 51 lines per minute. Character Set: 96 ASCII, plus international and block graphics characters. Line Feed: ¹/₆, ¹/₈, ¹/₁₂". Dimensions: 5 × 16¹/₂ × 13¹/₂". Weight: 16 lbs. Power: 120VAC, 60 Hz, 32W.

Top-Performance 9½" Dot-Matrix Printer

AS LOW AS

699⁰⁰ CITILINE **$41 PER MONTH**

- Word Processing, Bit-Image Graphics And Data Processing Modes
- Prints 120 Characters Per Second

DMP-200. All the great features of the DMP-120 (above) plus a high-density "correspondence mode" for memos and letters. Prints 10, 12 or 16.7 characters per inch; 5 lines per minute at 10 cpi. Mode and pitch are switch or software selectable. Prints original, plus two copies. With bi-directional, logic-seeking head, and removable tractor and friction platen. Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1254 .... **699.00**

Triple-Mode Punch!

SPECIFICATIONS. Print Speed: Standard 10 cpi—55 lpm/80 col. Correspondence 10 cpi—520 wpm. Horizontal Dot Resolution: 60-100 dots/inch, 480-800 dots/line. Character Set: 96 ASCII, 32 special and 30 graphics characters. Dimensions: 5 × 16¹/₂ × 13¹/₂". Weight: 16¹/₂ lbs. Power: 120VAC, 60 Hz, 85W.

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TRS-80 15" DOT-MATRIX PRINTERS

Superb Business Printer At an Affordable Price

NEW FOR '84 **999⁰⁰**

- Full 132-Column Capacity at 10 CPI
- Prints 140 Characters Per Second
- Cover Design Reduces Printing Noise

DMP-420. Correspondence, data processing and bit-image graphics modes for many office applications. Prints 10, 12 or 16.7 characters per inch; 51 lines per minute at 10 cpi. Mode and pitch are switch or software selectable. Original, plus two copies. Adjustable tractor uses 4" to 15" fanfold paper. Friction platen for single-sheets. Selectable parallel and Color Computer-compatible serial interfaces (600/1200 baud). U.L. listed. 26-1267 .... 999.00

Quiet Cost-Effective

SPECIFICATIONS. Print Speed: Standard 10 cpi—181 lpm/20 col., 126 lpm/40 col., 78 lpm/80 col., 51 lpm/132 col. Correspondence 10 cpi—705 wpm. **Character Set:** 96 ASCII, 32 special and 30 block graphics characters. **Pin Wire Diameter:** 0.30mm. **Horizontal Dot Reso**lution: 60-100 dots/inch, 792-1320 dots/line. **Line Feed:** Forward, reverse; 1/6, 1/8, 1/72, 1/216". **Buffer:** 2K RAM. **Dimensions:** 6³/8 × 24¹/8 × 13³/8". **Weight:** 16¹/2 lbs. **Power:** 120VAC, 60 Hz, 85W.
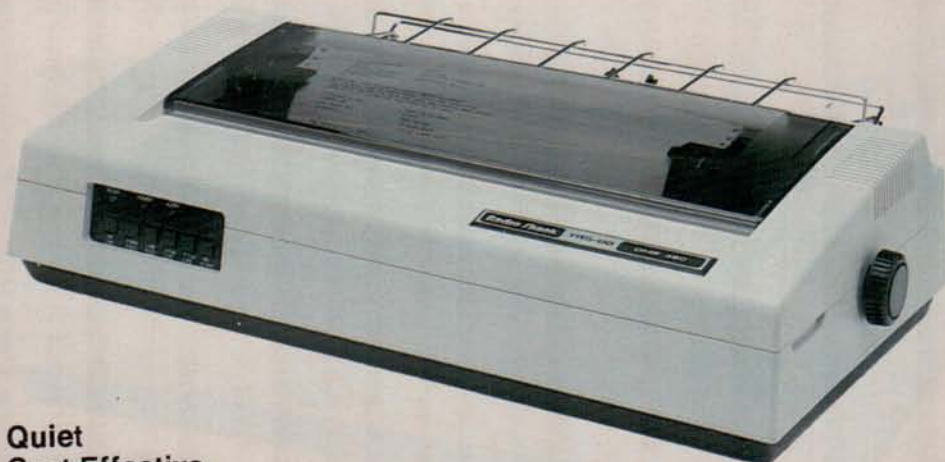
High-Speed Printer for Heavy Business Use

1295⁰⁰

- Prints 220 Characters Per Second and 76 Lines Per Minute at 132 Columns
- Prints Original, Plus Three Copies

DMP-500. Bi-directional, logic-seeking head gives you speedy and efficient throughput. Word processing, bit-image graphics and data processing modes. Prints 1043 words per minute in word processing mode, with backspacing, bold face, underline, super and subscripts. Mode and pitch are switch or software selectable. 4" to 15" adjustable tractor, friction platen. Parallel interface. U.L. listed. 26-1252 .... 1295.00

Fast Heavy-Duty

SPECIFICATIONS. Print Density: 10, 12 or 16.7 cpi in 9×9, 15×9 or n×9 (n = 1-23) dot matrix. **Character Set:** 96 ASCII, 32 special and 30 graphics characters. **Pin Wire Diameter:** 0.30mm. **Horizontal Dot Resolu**tion: 60-100 dots/inch, 792-1320 dots/line. **Line Feed:** 1/6, 1/8, 1/72, 1/216". **Dimensions:** 7¹¹/16 × 24⁵/8 × 15⁷/8". **Weight:** 50 lbs. **Power:** 120VAC, 60 Hz, 180W.

Deluxe Letter-Quality Dot-Matrix Printer

1995⁰⁰

- State-of-the-Art 24-Wire Print Head
- Print Quality in Word Processing Mode Rivals Daisy Wheel Printers

DMP-2100. High-speed for data processing, a single-pass word processing mode and high-resolution for dot-addressable graphics. Prints 160 cps in DP mode; 100 cps in WP mode. 24-wire head delivers 32,400 dots/square inch—over four times the finest resolution of our other dot-matrix printers! Change pitch and font within text without having to stop and change a printwheel. U.L. listed. 26-1256 .... 1995.00
Bi-Directional Tractor. 26-1441 .... 169.95

```
SAMPLE   Correspondence Mode
ABCDEF ghijklm 1234 "#$&%
```

Our Finest

Sheet Feeder

995⁰⁰

Automatic paper insertion and stacking. Snaps on and off. 26-1440 .. 995.00

Printer not included

SPECIFICATIONS. Print Speed: Standard 10 cpi—60 lpm/ 132 col. Correspondence 10 cpi—774 wpm. **Character Set:** 96 ASCII, 31 international and 31 graphics. **Print Den**sity: 10, 12, 16.7 cpi, proportional-spaced and elongated. **Horizontal Dot Resolution:** 180 dots/inch, 2448 dots/line. **Dimensions:** 5⁷/8 × 21¹¹/16 × 15". **Weight:** 42 lbs. **Power:** 120VAC, 60 Hz.

LETTER-QUALITY TRS-80 PRINTERS

Introducing a Low-Cost Daisy Wheel Printer

NEW FOR '84

799.00

AS LOW AS **$45 PER MONTH** (Radio Shack CITILINE)

- Prints Over 200 Words Per Minute
- Clean, Sharp Characters for That "Electric Typewriter Look"
- Interchangeable 100-Character Print Wheels for a Variety of Styles
- Ideal for Use With SCRIPSIT and SuperSCRIPSIT

With Courier 10 Print Wheel and Carbon Ribbon

DWP-210. Now you can have full-featured letter-perfect printing at an incredibly affordable price! Select 10 or 12 characters per inch, or proportional pitch. Print wheels simply "drop-in" for easy installation! Prints at 18 cps. Includes forward and reverse paper feed and ¹/₂-line feed, underline and programmable backspace. Self-test facility lets you see if printer is operating properly before starting. "Paper Empty" sensor stops printer automatically and sounds buzzer when paper runs out. "Ribbon End" feature stops printer when ribbon reaches its end. U.L. listed. 26-1257 . . . . 799.00

SPECIFICATIONS. Print Density: 11¹/₂" line. Switch selectable 10 cpi (115 characters per line), 12 cpi (138 cpl), or proportional spacing. **Print Speed:** 18 cps nominal (over 200 wpm). **Carriage Motion:** Bi-directional, optimal motion seeking. Minimum horizontal increment ¹/₁₂₀". Minimum vertical increment ¹/₄₈". 1000 ms slew rate. **Character Set:** 100 (modified ASCII, plus special international), 18 control codes. **Paper:** Up to 13" wide. Original, plus 2 copies. Friction feed. **Ribbon:** Multi-strike carbon or nylon cartridge. **Interface:** Color Computer-compatible serial (600/1200 baud) and standard 8-bit data parallel, 36-pin Amphenol connector. **Dimensions:** 6⁵/₁₆ × 20 × 13¹¹/₁₆". **Weight:** 38 lbs. **Power:** 120VAC, 60 Hz, 80 Watts.

Bi-Directional Tractor

149⁹⁵

USE YOUR Radio Shack CITILINE

Ideal for Data Processing

Printer not included

Snap-on bi-directional tractor feed makes your printer more efficient. Use fanfold paper, pin-fed labels and pre-printed multi-part forms. Adjusts to 13". 26-1443 . . . . 149.95

Full-Featured 132-Column Daisy Wheel Printer for Office Use

1295.00

- Prints Over 300 Words Per Minute
- Ideal for Use With SCRIPSIT or SuperSCRIPSIT Word Processing
- Interchangeable 124-Character Print Wheels
- Selectable Print Density

DWP-410. Produce hundreds of copies, each with the "professional look" of electric typewriter quality. Select 10 or 12 characters per inch, or proportional pitch. Prints at 25 cps or more. Features forward and reverse paper feed and ¹/₂-line feed, underline, boldface and programmable backspace. Automatic Paper Set makes paper insertion a snap. "External Program Mode" lets you use print wheels with different pitch or special characters. U.L. listed. 26-1250 . . . . 1295.00

Includes Courier 10 Print Wheel and Carbon Ribbon

DWP-410 Bi-Directional Tractor

239⁹⁵

- Easy On—Easy Off
- Adjustable to 15"

Bi-directional tractor feeds fanfold paper automatically. Keeps pin-fed labels and forms in perfect alignment. Attaches quickly for easy installation and removal. 26-1459 . . . 239.95

Printer not included

SPECIFICATIONS. Print Density: 13.6" line. Switch selectable 10 cpi (136 characters per line), 12 cpi (163 cpl), or proportional spacing. **Print Speed:** 25 cps nominal; 11.7 lpm at 10 cpi, 132-column (Over 300 wpm). **Carriage Motion:** Unidirectional, optimal motion seeking. 1000 ms slew rate. **Character Set:** 124 (96 ASCII, plus special and international), 23 control codes. **Paper:** Up to 16" wide. Original, plus 5 copies. Friction feed. **Ribbon:** Multi-strike carbon or nylon cartridge. **Interface:** Standard 8-bit data parallel; 36-pin Amphenol connector. **Dimensions:** 7³/₄ × 23³/₄ × 13". **Weight:** 35 lbs. **Power:** 120VAC, 60 Hz, 141 Watts.

Prices Apply at Radio Shack Computer Centers and Participating Radio Shack Stores and Dealers

TOP-OF-THE-LINE DAISY WHEEL PRINTER

Our Best High-Speed, Formed-Character Printer

1995.00

- Prints Over 500 Words Per Minute
- Easily Interchangeable 124-Character Print Wheels for Any Printing Need
- The Perfect Printer for All Your Professional Word Processing Needs

Daisy Wheel II. Switch selectable print densities—10 or 12 cpi or proportional spacing. Prints at an average of 43 characters per second. Features forward and reverse paper feed and 1/2-line feed, underline, boldface and backspace. "External Program Mode" allows use of wheels with different pitch or special characters. Friction-feed adjusts for up to five carbons. 15-inch platen. U.L. listed.
26-1158 . . . . 1995.00

Includes Courier 10 Print Wheel and Carbon Ribbon

SPECIFICATIONS. Print Density: 13.6" line. Switch selectable 10 cpi (136 cpl), 12 cpi (163 cpl), or proportional spacing. **Print Speed:** 43 cps nominal; 19.5 lpm at 10 cpi, 132-col. (Over 500 wpm). **Carriage Motion:** Unidirectional, optimal motion seeking. 300 ms slew rate. **Character Set:** 124 (96 ASCII, plus special and international), 21 control codes. **Paper:** Up to 16" wide. Original, plus 5 copies. Friction feed. **Ribbon:** Multi-strike carbon cartridge or nylon cartridge. **Interface:** Standard 8-bit data parallel; 36-pin Amphenol connector. **Dimensions:** 8 × 24 1/2 × 15 1/2". **Weight:** 28 lbs. **Power:** 120VAC, 60 Hz, 141 Watts.

Daisy Wheel II is Supported With a Complete Selection of Versatile Accessories

---

Bi-Directional Tractor Feed

289.95

Printer not included

Keeps pin-fed labels, preprinted and multi-part forms in perfect alignment. Quick, easy installation. Adjusts to 15".
26-1447 . . . . 289.95

Automatic Sheet Feeder

1495.00

Printer not included

Holds up to 200 sheets. Microprocessor-control gives proper alignment every time. Requires installation (not included).
26-1448 . . . . 1495.00

Automatic Envelope Feeder

1195.00

Printer not included

Automatically feeds envelopes into aligned typing position at up to 1200 per hour. Sizes 6 to 10. Requires installation (not included).
26-1260 . . . . 1195.00

Daisy Print Wheels

124 character print wheels for our DWII and DWP-410 printers. Up to 40 million impressions.

Fig.	Print Wheel	DWP-410	DW II	Price
A	Courier, 10 Pitch	26-1430	26-1420	29.95
B	Prestige Elite, 12 Pitch	26-1431	26-1421	29.95
C	Madeleine PS	26-1432	26-1422	29.95
D	Cubic PS	26-1433	26-1425	29.95
E	Tile Italic, 10/12 Pitch	26-1434	26-1426	29.95
F	OCR B, 10 Pitch*	26-1435	26-1484	39.95
G	Letter Gothic, 12 Pitch	26-1436	26-1485	39.95
H	Cubic 15+	26-1437	26-1487	39.95
J	Bold PS	26-1439	26-1488	39.95
K	Scientific A/N		26-1486	39.95
L	Pica 10		26-1290	39.95
M	Narrator		26-1291	39.95
N	OCR-A		26-1292	39.95
O	Elite 12		26-1293	39.95

External Program Mode: + Required * Suggested

100-character print wheels for our new DWP-210. Up to 10 million impressions.

Fig.	Print Wheel	Cat. No.	Price
A	Courier 10	26-1467	9.95
B	Prestige Elite 12	26-1468	9.95
P	Venezia PS	26-1469	9.95

A Wide Variety Of Printing Fonts Available

Ⓐ ABCDEFGHIJKLMN abcdefghijklmnopqrs!%.(){}*+-=,;:

Ⓑ ABCDEFGHIJKLMNOPQ abcdefghijklmnopqrstuv!%.(){}*+-=,;:/\<

Ⓒ ABCDEFGHIJKLMN abcdefghijklmnopqrstuv!%.(){}*+-=,;:/\<>?_¶~

Ⓓ ABCDEFGHIJKLMNOP abcdefghijklmnopqrst!%.(){}*+-=,;:/\<>?_

Ⓔ ABCDEFGHIJKLMN abcdefghijklmnopqrs!%.(){}*+-=,;:

Ⓕ ABCDEFGHIJKLMN abcdefghijklmnopqrs!%.(){}*+-=,;:

Ⓖ ABCDEFGHIJKLMNOPQ abcdefghijklmnopqrstuvwx!%.(){}*+-=,;:/

Ⓗ ABCDEFGHIJKLMNOPQRSTUVW abcdefghijklmnopqrstuvwxyz !%.(){}*+-=,;:/\<>?_¶

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39

PRINTER ACCESSORIES AND SUPPLIES

Printer Controller Adds Efficiency

NEW FOR '84 **249⁹⁵**

- Frees Your Computer During Printing
- Assumes Control of All Printing Operations
- 62K RAM Buffer for Text Storage

PTC-64 Printer Controller. Now you can print one job while working on another! Our new PTC-64 "print buffer" accepts and stores information from your computer at top speed and feeds it to your printer as fast as the printer can handle it. This means excellent throughput and no downtime because your computer's memory, processing power and disk drives are free for other tasks. The compact PTC-64 features a Z-80 microprocessor, a clear memory function, a pause function and a copy function for printing up to 100 consecutive originals. There are even 16 redefinable special characters, as well as unique programmable functions that will give you the option of downloading an alternate operating system to generate a new ASCII character set, graphics data and more. Activate functions from the panel keys or through software. Standard parallel printer interface. U.L. listed AC power module. 26-1269 . . . . 249.95

Daisy Wheel Printer Accessories

Reduce Printer Noise

399⁰⁰

Improves Office Efficiency

Daisy Wheel Acoustic Cover. For DW II (with or without tractor), DWP-410 and DWP-210 (without tractors). Not for use with sheet or envelope feeders. 14 × 28 × 21¹/₂". U.L. listed. 26-1455 . . . . . . 399.00

Binder and Pad

Ⓐ

9⁹⁵

Ⓑ

12⁹⁵

Ⓐ **Printwheel Binder.** Protects up to nine printwheels from loss or damage. 73-2004 . . . . 9.95

Ⓑ **Printer Pad.** Non-skid sponge rubber protects furniture. ¹/₂" thick. 73-2001 . . . . 12.95

Daisy Wheel Printwheel Cleaning Kit

16⁹⁵

Keep your daisy wheel printer "making a good impression". Kit lets you safely clean clogged, recessed type areas. Easy to use and won't make a mess. For DW II, DWP-410 and DWP-210 printers. 26-1320 . . . . 16.95

Refill Fluid and Pad. 26-1322 . . . . 5.95

Efficient Forms-Handling Equipment

Forms Decollator

249⁹⁵

Separates And Refolds Multi-Part Paper

Manual decollator that's faster and more reliable than most motor-driven models! Decollates up to 350 ft./min. Removable bobbin collects carbon. Includes attachment for carbonless forms. Handles paper up to 16¹/₂" wide. 73-1003 . . . . 249.95

Paper Shredder

249⁹⁵

ES-1 Paper Shredder. Cuts up to five sheets of 8¹/₂ × 11" paper into 3mm-wide strips. U.L. listed. 73-1001 . . 249.95

Shredder Basket. 73-1002 . . . 29.95

TRS-80 Replacement Printer Ribbons

Radio Shack Printer	Ribbon	Character Life	Catalog No.	Quantity/ Price
LP I, II, IV	Fabric Ribbon Pack	1 million	26-1413	3/15.95
LP III, V	Fabric Ribbon Cart.	2 million	26-1414	11.95
LP VI, VIII, DMP-400, 420	Fabric Ribbon Cart.	1 million	26-1418	11.95
LP VII, DMP-100	Re-inking Fabric	1 million	26-1424	8.95
DMP-110	Re-inking Fabric	1 million	26-1283	7.95
DMP-120, 200	Fabric Cart.	4 million	26-1483	15.95
DMP-120, 200, 500	Refill Pack	4 million	26-1489	3/15.95
DMP-500	Fabric Cart.	4 million	26-1482	12.95
DMP-2100	Fabric Cart.	2 million	26-1442	13.95
DW II, DWP-410	Carbon Film Cart. Multi-strike	250,000	26-1419	3/21.00
DW II, DWP-410	Nylon Ribbon Cart.	1 million	26-1449	10.95
DWP-210	Carbon Film Cart. Multi-strike	250,000	26-1445	3/17.95
DWP-210	Fabric Cart.	1 million	26-1458	8.95

Roll Paper for TRS-80 Printers

Printer	Paper	Cat. No.	Quantity/ Price
CGP-115	4¹/₂" × 150'	26-1428	3/4.95
CGP-220	8¹/₂" × 75'	26-1333	3/9.95
TP-10	Thermal 4¹/₈" × 80'	26-1332	2/3.95
PT-210 Terminal	Thermal 8¹/₂" × 100'	76-1003	6/24.95
PC-1	1³/₄" × 18'	26-3506	6/1.75
PC-2	2¹/₄" × 30'	26-3606	6/2.49
PC-3	Thermal 2¹/₄" × 7'	26-3592	5/2.49
PC-4	Thermal 1¹/₂" × 8¹/₂'	65-711	5/2.19
LP I, II, IV, VIII, DMP-200	8¹/₂" × 500'	26-1402	2/19.95
Plotter/Printer (26-1190)	9" × 90', 8¹/₂" pin-to-pin	26-1407	4.95
Quick Printer (26-1153)	Electrostatic 4³/₄" × 130'	26-1405	3/16.95
Quick Printer II (26-1155)	Electrostatic 2³/₈" × 75'	26-1412	2/3.95

Mobile "Paper Caddy"

79⁹⁵

Computer Paper Dolly And Printer Forms Rack

Wheel paper to wherever you need it. Place blank forms on lower shelf; upper shelf catches printed output. Special paper guides assure correct refolding and smooth stacking of printout. 24¹/₂ × 18 × 14¹/₂". 74-551 . . 79.95
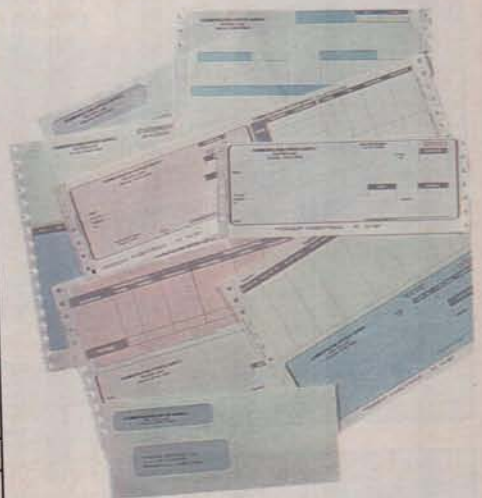
Hanging Binders

NEW FOR '84

Organize Your Workstation and Protect Printout

Convenient hanging data binders for storing and protecting your printouts and other data. Plastic-coated pressboard with steel wire posts.

14⁷/₈ × 11". 26-1339 . . 2/7.95

9¹/₂ × 11". 26-1340 . . . 2/7.95

CUSTOM FORMS AND PRINTER PAPER

Custom Imprinted Forms and Checks

Form Name	Cross Reference TRS-80 Mod. No.	Cross Reference Software Cat. No	Cross Reference Envelope Cat. No.	No. of Parts	Color	Cat. No.	Quantity/Prices 500	1,000	2,000
Accounts Receivable Statement	I & III/4	26-1555	72-114 72-214 72-250	1	Blue	72-116	65.00	120.00	220.00
				2	Blue	72-117	100.00	180.00	340.00
				3	Blue	72-118	130.00	230.00	435.00
Accounts Payable Check	I & III/4	26-1554	72-249	1	Blue	72-124	55.00	100.00	195.00
				2	Blue	72-125	100.00	180.00	340.00
	II & 12	26-4505		3	Blue	72-126	120.00	215.00	415.00
Accounts Payable Check	III/4	26-1542	72-145 72-245 72-246	1	Blue	72-141	45.00	80.00	155.00
	II & 12 16	26-4605 26-6205		3	Blue	72-142	110.00	200.00	375.00
General Purpose Form	I & III/4	26-1541 26-1568	72-206	1	Blue	72-119	55.00	100.00	195.00
	II & 12	26-4508 26-4504 26-4514 26-4602 26-4802		3	Blue	72-120	110.00	200.00	375.00
	16 2000	26-6302 26-5213 26-5217		5	Blue	72-136	160.00	290.00	545.00
Invoice	II & 12 16 2000	26-4607 26-6207 26-5215	72-135 72-235 72-234	3	Blue	72-151	140.00	250.00	475.00
				5	Blue	72-152	205.00	370.00	700.00
Multi-Purpose Check	III/4	26-1584	72-145 72-245 72-246	1	Blue	72-153	45.00	80.00	155.00
				2	Blue	72-154	60.00	110.00	210.00
Multi-Purpose Check w/Stub	III/4 2000	26-1585 26-1511 26-5212 26-5340	72-145 72-245 72-246	1	Blue	72-158	55.00	100.00	195.00
				2	Blue	72-159	100.00	180.00	340.00
				3	Blue	72-160	120.00	215.00	415.00
Payroll Check	I & III/4	26-1504 26-1556	72-247	1	Brown	72-105	55.00	100.00	195.00
				2	Brown	72-106	100.00	180.00	340.00
Payroll Check	II & 12	26-4503	72-248	1	Brown	72-137	60.00	110.00	210.00
				2	Brown	72-138	90.00	165.00	310.00
Payroll Check	III & 4 II & 12 16 2000	26-1543 26-4603 26-6203 26-5218	72-246	1	Brown	72-143	45.00	80.00	155.00
				2	Brown	72-144	85.00	150.00	285.00
Statement Of Account	II & 12 16	26-4604 26-6204	72-135 72-235 72-234	1	Blue	72-129	55.00	100.00	195.00
				3	Blue	72-130	110.00	200.00	375.00

Imprinted Envelopes

Form Cross Reference	Inside Tint	No. of Windows	Envelope Size	Catalog No.	Quantity/Prices 500	1,000	2,000
Accounts Receivable Statement	No	1	#6¾	72-114	55.00	100.00	195.00
Statement of Account and Invoice	No	1	#10	72-135	55.00	100.00	195.00
Accts. Payable (72-141/142) & Multi-Purpose Checks	Yes	1	8⅝	72-145	55.00	100.00	195.00

Blank Envelopes

Form Cross Reference	Size	No. of Windows	Inside Tint	Qty. Per Carton	Catalog Number	Price
	3⅝ × 6½	2	No	1,000	72-250	45.00
Accounts Receivable Statement	3⅝ × 6½	1	No	1,000	72-214	35.00
Accounts Payable Check (72-124/125/126)	3⅝ × 7¾	2	Yes	1,000	72-249	55.00
General Purpose Form	3⅞ × 8⅞	2	No	1,000	72-206	45.00
Payroll Check for Mod I/III/4	3⅝ × 7¾	2	Yes	1,000	72-247	55.00
Payroll Check for Mod II/12	3⅞ × 7½	2	Yes	1,000	72-248	50.00
Statement of Account and Invoice	4⅛ × 9½	2	No	1,000	72-234	45.00
	4⅛ × 9½	1	No	1,000	72-235	40.00
Accts. Payable (72-141/142) and Multi-Purpose Checks	3⅝ × 8⅝	1	Yes	1,000	72-245	40.00
	3⅝ × 8⅝	2	Yes	1,000	72-246	50.00

Stock Fanfold Printer Paper

Feed paper directly into the printer from the reusable cartons. Letter-size sheets (9½ × 11" and 12 × 8½") have "invisible" detachable, perforated margins. Single-part sheets are high-quality, 15-pound bond unless a heavier weight is specified. No ground wood or recycled paper. Multi-part sets are clean, carbonless, no-mess paper.

Fanfold Printer Paper

Size	Parts	Design	Vertical Perforation	Quantity	Box	Cat. No.	Price
14⅞ × 11"	1	Greenbar	No	500 sheets	Mini-Pak	26-1330	9.95
14⅞ × 11"	1	Greenbar	No	1500 sheets	Tote	72-300	34.95
14⅞ × 11"	1	Greenbar	No	3500 sheets	Carton	26-1417	59.95
14⅞ × 11"	2	Greenbar	No	750 sets	Tote	72-301	49.95
14⅞ × 11"	3	Greenbar	No	500 sets	Tote	72-302	49.95
14⅞ × 11"	1	Blank White	No	1500 sheets	Tote	72-303	34.95
9½ × 11"	1	Greenbar	Yes	1500 sheets	Tote	72-304	24.95
9½ × 11"	1	Greenbar	Yes	3500 sheets	Carton	26-1403	39.95
9½ × 11"	1	Blank White	Yes	500 sheets	Mini-Pak	26-1423	8.95
9½ × 11"	1	Blank 20#	Yes	1250 sheets	Tote	26-1427	24.95
9½ × 11"	1	Blank 20#	Yes	2500 sheets	Carton	72-311	44.95
9½ × 11"	2	Blank White	Yes	750 sets	Tote	72-305	34.95
9½ × 11"	3	Blank White	Yes	500 sets	Tote	72-306	39.95
12 × 8½"	1	Blank 18#	Yes	1250 sheets	Tote	72-307	24.95

Five Great Benefits of Radio Shack Custom Forms

System Support. Radio Shack provides properly-designed output forms to enable the TRS-80 user to complete a total business computer system, including hardware, software and custom forms.

Proper Design. Our forms are specially designed for use with your TRS-80 software, so you can be sure of compatibility.

Economy. Radio Shack forms are produced in large quantities and sold in small quantities (as few as 500 units), so the tremendous savings are passed on to you.

Quality. All forms are attractively designed and produced to highest printing standards, assuring a positive, "quality" image for your organization.

Convenience. We provide single-source support for the entire TRS-80 business computer system, as well as prompt delivery and resupply. Visit your nearest Radio Shack Computer Center today to place your order!

Fanfold Mailing Labels

- Complete Your System With Output Labels
- Wide Selection To Choose From

Top-quality labels. All are white.

NEW! 1-Wide. 4¼" carrier. Pressure-sensitive. Pkg./1000. 26-1328 . . . . . . 6.95

2-Wide. 9½" carrier. Pressure-sensitive. Pkg./2000. 72-401 . . . . 15.95

3-Wide. 9½" carrier. Pressure-sensitive. Pkg./3000. 72-400 . . . . 16.95

2-Wide. 9½" carrier. Dry gum. Pkg./2400. 26-1456 . . . . 9.95

41

TRS-80® CABLES AND ACCESSORIES

We support the TRS-80 with a complete selection of user-proven cables for almost any application. That makes it easy to choose the right cable for your computer system so you're assured of outstanding performance.

- Quality Engineered to Perform to Highest Standards
- Add Maximum Flexibility And Convenience
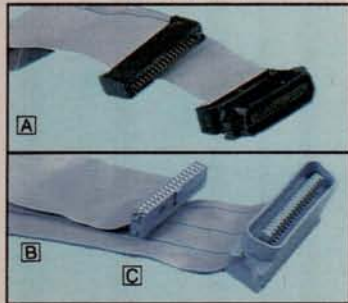
Standard Parallel Printer Cables

Fig.	Use With	Description	Cat. No.	Each
A	Model I/III/4	34-pin edge card to 36-pin plug, 6'	26-1401	39.00
B	Model II/12/16/16B	34-pin header to 36-pin plug, 6'	26-4401	39.00
C	Model II/12/16/16B	34-pin header to 36-pin plug, 12'	26-1323	44.95

Cassette Recorder Cable

Fig.	Use With	Description	Cat. No.	Each
D	Computers with cassette port	5-pin DIN to Audio (3 plugs)	26-1207	5.95

Color Computer/MC-10 Interface Cables

Fig.	Function	Description	Cat. No.	Each
E	To serial printers and modems	4-pin DIN to 4-pin DIN	26-3020	4.95
F	To Quick Printer II and Model I special serial interface	5-pin DIN to 4-pin DIN	26-3009	4.95
G	To RS-232 ports	4-pin DIN to DB25	26-3014	19.95

Model 100 Interface Cables

Fig.	Function	Description	Cat. No.	Each
H	To parallel printer	34-pin header to 36-pin plug	26-1409	14.95
I	Direct connect modem to modular phone jack	Includes free hour on both CompuServe and Dow Jones News/Retrieval Networks	26-1410	19.95

Universal RS-232C Accessories

Industry-standard accessories for serial communications. Compact, round cables with molded plugs are quality-crafted for reliability. Pins 1-8, 15, 17, 20, 24 extended.

RS-232C Cables

Fig.	Function	Description	Cat. No.	Each
J	Model III/4/12/16B Serial Interface	Male DB25 to DB25, 5-ft. Ribbon	26-1408	19.95
K	For Model II/16	Male DB25 to DB25 5-foot round cable with terminator	26-4403	39.95
L	For Model 12/16B or with 26-1497	10-foot round cable	26-1490	29.95
		25-foot round cable	26-1491	39.95
		50-foot round cable	26-1492	54.95
		100-foot round cable	26-1493	89.95
M	Joins cables together for longer runs	RS-232C Cable Connector	26-1495	29.95
N	Allows two CPUs to communicate directly through "modem" software	Null Modem Adapter	26-1496	29.95
O	Allows use of round RS-232C cables with Model III/4	8-inch flat extender	26-1497	17.95
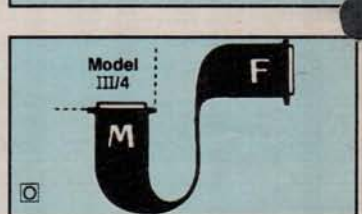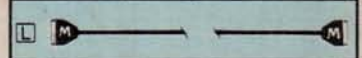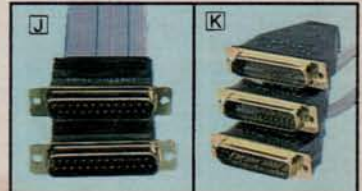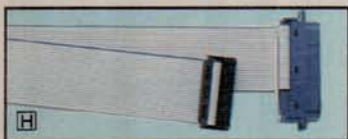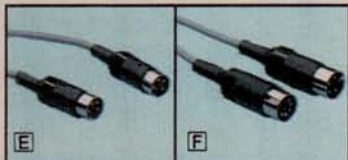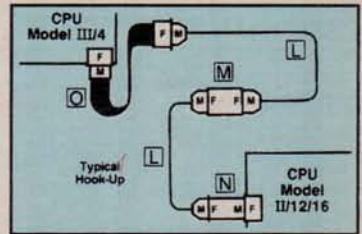
Printer Selector Switch

119⁹⁵

Easy Switching Without Changing Cables

SW-302 Parallel Printer Switch. Connect two printers to one computer, or two computers to one printer. Dual parallel ports permit quick and easy switching. For any TRS-80 or data terminal with a standard parallel interface. U.L. listed AC power module. Cables not included. 26-1498 . . . . 119.95

RS-232C Selector Switch

149⁹⁵

Connect Up to Three RS-232C Devices

SW-303 RS-232C Selector Switch. Connect any three RS-232C devices to your TRS-80 computer. There are two switched ports for modems, digitizers, plotters and more—one configurable port for communication between two computers. U.L. listed AC power module. Cables not included. 26-1499 . . . . 149.95
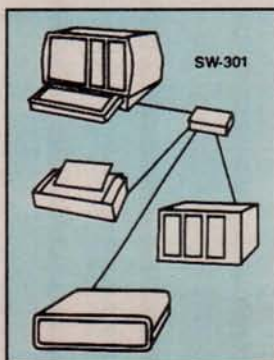
Automatic Power Strip

69⁹⁵

SW-301. Activates up to five peripherals when you turn on your Model II, III, 4, 12 or 16B. U.L. listed. 26-1429 . . . . 69.95

Power Line Filter Protects Your TRS-80

49⁹⁵

- Cuts Problem-Causing Interface
- Single Switch Controls Eight AC Outlets

Our Power Line Filter limits AC power line interference to the TRS-80 Model I and the Color Computer. Switch will control eight outlets. Effective dual-section design. U.L. listed. 26-1451 . . . . 49.95

TRS-80 COMPUTER SYSTEM FURNITURE

Deluxe Desk and Stands

A System Desk
279⁹⁵
Drawer not included

- Attractive,
- Sturdy Construction

B Printer Stand
149⁹⁵

Terminal Stand
NEW FOR '84 ## 179⁹⁵
Computer and Copy Holder not included

- Roll-Around
- Adjustable

A **Model II/12/16 Workstation.** Accents any office. Plenty of convenient working space, with wiring cutouts in top. Heavy-duty construction. Easy to assemble. 27×48×30". 26-4303 . . . . 279.95

System Desk Drawer. Mount on left or right of desk. 12³/₄×18¹/₂×20¹/₄". 26-4304 . . . . 129.95

B **Printer Stand.** Convenient slotted top allows bottom paper feed, making this versatile stand compatible with all Radio Shack printers. Wire paper basket included. Easy assembly. 27×24×19". 26-4305 . . . . 149.95

Locking Casters. Fits Printer Stands 26-4305 (above) and 26-1308 (below). 26-1319 . . . . Set of 4/19.95

C **NEW! Deluxe Terminal Stand.** Perfect for Model II, 12 or 16. Rolls to where it's needed on locking casters. 30×30" top adjustable at 26", 27" or 28" high. 26-4306 . . . . 179.95

D **Adjustable Copy Holder.** Holds 8¹/₂×11" documents on adjustable 33" arm. 73-2002 . . . . 69.95

Workstation Data Tray

NEW FOR '84 **9⁹⁵**

Place Atop Your Computer or Terminal

Keeps documents and computer printouts close at hand. Holds 14⁷/₈×11" printouts. Non-skid feet. 26-1334 . . 9.95

Easel and Data Tray

17⁹⁵
A
6⁹⁵
B

A **Typing Easel.** Adjustable T-bar and friction pads keep book open and in place. 73-2003 . . . . 17.95

B **Stacking Data Tray.** Holds 14⁷/₈×11" printouts. Trays interlock. Polystyrene. 26-1331 . . . . Each 6.95

Office Accessories

A
Swivel Chair
199⁹⁵
B
Anti-Static Mat
79⁹⁵

**A** **Deluxe Swivel Chair.** Brown nylon fabric. Adjustable tilt, swivel and height. 74-1057 . . . . 199.95

B **Protective Anti-Static Mat.** Drains static charges. 36×48" overall. 70-500 . . . . 79.95

Affordable System Desk and Matching Printer Stand

Printer Stand **99⁰⁰**
Perfect for Office Use

System Desk **179⁰⁰**
Convenient Cable Cutouts

Universal Printer Stand. The ideal companion to the system desk (at right)— gives you much more work space. Slotted top for bottom-feed printers. Easy to assemble. 27×23¹/₂×19". 26-1308 . . . . 99.00

Model 4 System Desk. Contemporary styling is perfect for office use. Spacious, too—there's plenty of room for your Model 4 or III computer and a printer. Includes instructions for easy assembly. 27×48×27". 26-1305 . . . . 179.00

Desktop Printer Stand

NEW FOR '84
29⁹⁵

Printer and paper not included
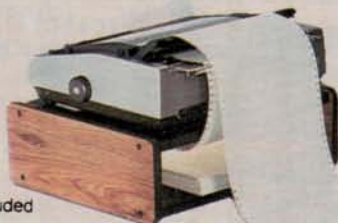
Upper shelf holds DMP-100, DMP-120 or 200, Line Printer VII or VIII. Lower shelf holds paper stacks up to 3³/₄" deep. 6¹/₄×18¹/₄×15¹/₄". 26-1325 . . . . 29.95

"Budget" Computer Table

69⁹⁵

Ideal for Home or School Use

Small enough to let you set up your system nearly anywhere, but large enough for the TRS-80 Color Computer or even the Model 4 or III. Easy to assemble. 27×48×24". 26-1324 . . . . 69.95

DISKETTES AND MEDIA STORAGE

Single-Sided Unformatted Disks

- 8" Disks for Model II
- 5¼" Disks for Models I, III, 4, 4P and Color Computer

Double-Sided Unformatted Disks

- 8" Disks for Models 12 and 16B
- 5¼" Disks for Tandy Model 2000

8" Single-Sided
Low As **6**00 Each (In Box of 10)

5¼" Single-Sided
Low As **4**00 Each (In Box of 10)

8" Double-Sided
Low As **7**00 Each (In Box of 10)

5¼" Double-Sided
Low As **8**00 Each (In Box of 10)

8" Single-Sided. Double-density. 77-track. Soft-sector

Quantity	Cat. No.	Price
Package of 3	26-4904	19.95
Package of 10	26-4906	59.95

Quantity (10 Packs)	Per 10-Pack
1-4	59.95
5-9	53.95
10-Up	49.95

5¼" Single-Sided. Double-density. 40-track. Soft-sector.

Quantity	Cat. No.	Price
Single Disk	26-305	4.95
Package of 3	26-405	13.95
Package of 10	26-406	39.95

Quantity (10 Packs)	Per 10-Pack
1-4	39.95
5-9	34.95
10-Up	33.95

8" Double-Sided. Double-density. 77-track. Soft-sector.

Quantity	Cat. No.	Price
Package of 3	26-4961	24.95
Package of 10	26-4960	69.95

Quantity (10 Packs)	Per 10-Pack
1-4	69.95
5-9	63.95
10-Up	59.95

NEW! 5¼" Double-Sided. Double-density. 80-track. Soft-sector.

Quantity	Cat. No.	Price
Package of 3	26-409	24.95
Package of 10	26-410	79.95

Quantity (10-Packs)	Per 10-Pack
1-4	79.95
5-9	69.95
10-Up	66.95

Protect and Organize Valuable Diskettes with Disk Envelopes
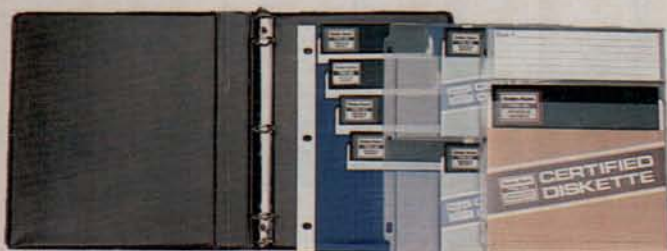
[A] **Universal Data Binder.** 3-ring for diskette envelopes. 26-1310 ..... 5.95

Disk Envelopes. Safe, convenient storage.

[B] **5¼".** Multi-pocket. Holds 8. Pkg. of 4. 70-514 .... 14.95

[C] **5¼".** Holds 2. Pkg. of 10. 26-510 .... 7.95

[D] **8".** Holds 1. Pkg. of 10. 26-4907 .... 7.95

[A]   [B]   [C]   [D]

Replacement Diskette Labels

- Non-Smearing
- Color Coded For Convenience

Just peel-and-stick to label your diskettes for easy filing.

5¼". 26-307 .... Pkg. of 54/1.95
8". 26-4955 .... Pkg. of 54/1.95

Diskette Storage Boxes

Each holds up to ten diskettes.
5¼". Black. 26-1452 .... 4.95
8". White. 26-4952 .... 5.95

File Boxes With Index Dividers

[A]

[B]

Each box holds 50 diskettes.
[A] 8". 26-4953 .... 39.95
[B] 5¼". 26-1453 .... 29.95

Protective Disk Rings

- Prevents Loss of Data
- Strengthens Hub

5¼" **Disk Saver.** 50 rings and installation tool. Easy to install. 70-515 .... 12.95

8" **Disk Saver.** 50 rings and installation tool. Easy to install. 70-517 .... 9.95

Refill. 50 rings. 70-518 .... 5.29

Locking Disk File Boxes

NEW FOR '84

[A]   [B]

Each file box holds 90 diskettes. Includes 9 snap-lock dividers.
[A] 8". 73-2006 .... 59.95
[B] 5¼". 73-2005 .... 49.95

Protect Disks with Flip Files

Protects 20 Disks

8". Each file holds 20 diskettes.
70-502 .... 34.95
5¼". 70-503 .... 29.95

Diskette Mailers

- Easy to Use
- Inner Envelope for Dust Protection
- Sturdy to Prevent Bending

Mail data or program diskettes with confidence.
5¼". 26-1317 .... Pkg. of 5/6.95
8". 26-4954 .... Pkg. of 5/5.95

COMPLETE LINE OF TRS-80 ACCESSORIES

Dust Covers for Protection

Computers	Cat. No.	Price
Model 12/16	26-526	9.95
Model III/4	26-506	7.95
Color Computer	26-3006	4.95
MC-10	26-529	4.95
Color Computer 2	26-532	4.95

Peripherals	Cat. No.	Price
CCR-81 Recorder	26-517	4.95
Color Computer Multi-Pak Interface	26-528	5.95
External Disk Drives	26-502	2/5.95

Printers	Cat. No.	Price
DMP-100, LP VII	26-512	4.95
LP VIII	26-514	4.95
DMP-120, 200	26-522	5.95
DMP-400, LP VI	26-507	5.95
DMP-420	26-534	5.95
DMP-500, LP III, V	26-505	5.95
DMP-2100	26-525	5.95
Daisy Wheel II	26-508	5.95
Daisy Wheel II and Tractor	26-516	7.95
DWP-410	26-520	5.95
DWP-210	26-527	5.95
FP-215 Plotter	26-523	5.95
CGP-115	26-518	4.95
CGP-220	26-533	4.95
TP-10	26-531	4.95

Stock Up on These High-Quality TRS-80 Computer Cassette Tapes

- Ideal for Program and Data Storage
- Certified Free of Drop Outs and Defects
- Reinforced Ends Won't Pull Loose
- Each Cassette Comes With a Hinged, Plastic Storage Box for Protection

NEW! Deluxe C-20 Cassette Tape. "Reel-to-reel" design in a clear shell. 26-308 . . 3.79
C-20 Cassette Tape. 26-301 . . . . 2.79
C-10 Cassette Tape. 26-302 . . . . 1.79

Quantity	Deluxe C-20 (Ea.)	C-20 (Ea.)	C-10 (Ea.)
1-11	3.79	2.79	1.79
12-23	3.39	2.49	1.59
24-47	2.99	2.19	1.40
48-Up	2.69	1.99	1.25

Replacement Labels

- Color Coded
- Non-Smearing

Peel-and-stick labels identify programs and data on cassettes.
26-304 . . . . Pkg. of 60/1.95

Cassette Storage

A Data Binder.
26-1310 . . . . 5.95
B Cassette Holder. Stores 6 cassettes.
26-1311 . . . . Pkg. of 2/4.95

Program Pak™ File

Flip-lid file box holds 16 Program Paks or cassette boxes.
26-1314 . . . . 29.95

Anti-Static Spray

Use on Equipment, Screen or Carpet

Helps reduce and eliminate problem-causing static. Long lasting.
26-515 . . . . . 5.95

Screen Cleaner

Keeps Your Monitor Clean

Helps prevent dirt and dust build up. Includes 50 pre-wet wipes and lint-free cloth.
26-1318 . . 6.95

Keyboard Shield

NEW FOR '84

Protects front edge of Model III keyboard. Molded polystyrene. Easy to attach.
26-1263 . . . . 9.95

Reduce Screen Glare and Improve Contrast

- Low-Cost Way to Cut Glare and Reflections
- You Can See the Difference
- Simple to Install

Anti-Glare Mask. Nylon mesh screen reduces surface reflections, cuts overhead glare and improves contrast—without loss of monitor resolution! Helps prevent eye strain and fatigue, too. Installs in seconds on Model I, II, III, 4, 12 and 16 computers.
26-511 . . . . 16.95

Our Deluxe Anti-Glare Panel Reduces Screen Reflections
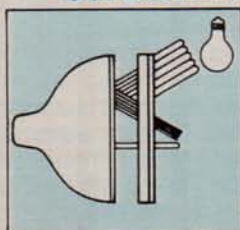
- Special Optically-Coated Panel Reduces Glare by 94%
- Maximizes Contrast and Readability

Anti-Glare Panel. Mirror-like reflection from the surface of computer display screens can cause eyestrain, fatigue and headaches. Our best anti-glare panel ends these problems. It cuts ambient light reflection without affecting resolution. Gives you a clear, sharp screen image. Scratch resistant. Easy to clean. Self-adhesive mounting makes attachment quick and easy—no tools are needed.
For Model I, II, III, 4 or 16.
26-1457 . . . . 39.95
For Model 12, 16B. 26-1326 . . . . 39.95

TRS-80 Programming Aids

A **Printview Ruler.** 26-1313 . . . . 3.50
B **Model I/III Graphics Worksheets.**
26-2105 . . . . 100 Sheets/3.95
C **Flowchart Template.** 26-1312 . . . . 3.95

Universal 5¼" and 8" Disk Drive Head Cleaning Kits

- Improves Operating Reliability
- Helps Prevent Read/Write Errors
- Works Safely in Just Seconds

29⁹⁵ Complete Kit

The safe, easy way to clean dirty drive heads. Just apply special solution to cleaning diskette and run in drive for 30 seconds. Regular use helps prevent costly service calls. Each kit includes two cleaning diskettes, one 4 oz. bottle of cleaning solution and instructions.
5¼" Drive Kit. 26-407 . . . . 29.95
8" Drive Kit. 26-4909 . . . . 29.95

45
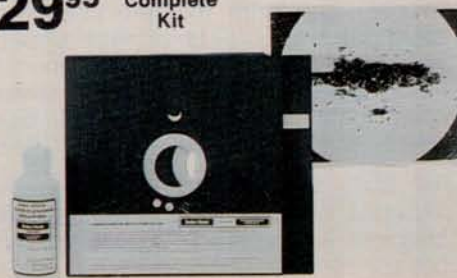
RADIO SHACK'S EDUCATION DIVISION

Our Commitment to Education. Radio Shack's TRS-80 microcomputer is a valuable teaching tool in use in schools nationwide. That's why we support a continuing effort to produce instructionally-sound and properly-validated courseware. In addition, we offer free computer training classes to teachers and school administrators.

What Makes Courseware Unique? A computer is useless without a program—a special set of instructions in computer language that tells the computer how to solve a problem. But for education, a computer program must also implement an acceptable instructional strategy. That's why Radio Shack has involved the experts—teachers, curriculum developers and administrators—in designing and field-testing our complete line TRS-80 courseware offerings.

A Wide Selection of Programs. We invite you to compare our courseware with other programs currently available. You'll discover what a difference quality TRS-80 courseware can make. Our Regional Educational Coordinators are ready to help you decide how our TRS-80 microcomputers and courseware can best suit your needs.

Computer Assisted Instruction

Computer Assisted Instruction (CAI) is based on using the computer to assist the educator in teaching subjects like reading, history, math and science. Proven CAI techniques have centered on individualized learning where the computer generates and presents student exercises in a specific subject area. CAI programs involve students interactively with the computer.

K-8 Math Series

Ideal for use as a supplement to regular classroom instruction in Kindergarten through 8th grades. This series was designed by professional educators, and has been extensively field-tested in the classroom. Immediate feedback is given for correct and incorrect answers. Each program includes lesson summaries and K-8 Math Cross-Reference.

K-8 Math Program, Vol. I. I/III + *† G Randomly generates drill-and-practice problems in number concepts, addition, subtraction, multiplication and division. Features student placement, skill building and test modes, plus automatic promotion and demotion.
26-1715 .... 199.00

K-8 Math with Student Management, Vol. I. I/III* A The original K-8 Math Program with added student management features. Monitors promotions and demotions, and allows for teacher review of scores. Starts each student in the appropriate lesson each session. Printer optional. 26-1725 ..... 199.00

K-8 Math Worksheet Generator. I/III A Generates worksheets and answer sheets from K-8 Math lessons. Teacher can print multiple copies of identical worksheets or worksheets with different problems at the same difficulty level. Worksheets can be saved on disk for later use or editing. Line printer required. 26-2162 ..... 99.95

K-8 Math Cross-Reference. Correlates individual K-8 Math lessons with specific chapters and pages in six major math basals. 26-2750 .... 4.95

Secondary Math and Science Programs

NEW! The Solar System: Featuring the Discovery of the Planet Pluto. CC G This audio-visual program is designed to supplement classroom instruction for upper-elementary and secondary students. High-resolution graphics and recorded speech are used to present facts about the planets in our solar system and how they were discovered. Questions about the lesson material are presented in the program, with immediate feedback for each student response. Narrated in part by Dr. Clyde W. Tombaugh, discoverer of the planet Pluto. *Out of the Darkness: The Planet Pluto*, a book by Dr. Tombaugh and Patrick Moore, is included. 26-2647 .... 59.95

Essential Math Program. I/III + *† G Drill-and-practice program for grades 7-12. Reinforces math concepts introduced by the teacher. Gives immediate feedback for correct and incorrect answers. Includes placement mode, as well as promotion and demotion.

Vol. I. Covers addition, subtraction, multiplication, division and number concepts. 26-1716 .... 199.00

Vol. II. Covers fractions, decimals, percents and pre-algebra concepts. 26-1719 .... 199.00

Euclid Geometry Tutor. I/III + *† G Allows students to practice constructing proofs using nine basic postulates of Euclidean geometry. Developed by a high school geometry teacher and tested extensively in the classroom. Program works out a proof automatically, and guides and tests construction of student's proofs. Teacher's manual includes numerous exercises in Euclidean geometry. 26-1724 ..... 39.95

Advanced Graphics. I/III + G*† Investigations in analyzing equations and plotting their respective graphs through demonstrations of plotting functions and plotting polar and parametric equations. 26-1714 .... 39.95

Vector Addition. I/III + *† G Plots components and sums of student-provided vectors. 26-1720 .... 39.95

NEW! Vector Addition for the Color Computer. CC + † I 26-2638 .. 39.95

Interpreting Graphs in Physics: Position and Velocity Versus Time. I/III + *† G Poses graph-related questions or simulations relating to rectilinear motion including position, speed, displacement and acceleration concepts. 26-1721 .... 39.95

Graphical Analysis of Experimental Data. I/III + *† G Plots and analyzes data pairs input by student. 26-1722 ...... 39.95

Investigations in Integral Calculus. I/III + *† G Explores fundamentals through 14 investigations. Graphs and computes areas of functions.
26-2600 .... 39.95

NEW! Investigations in Integral Calculus for the Color Computer. CC + † I 26-2641 .... 39.95

Plane Analytic Geometry. I/III + *† G Generates problems with emphasis on straight lines and conic sections. 26-2602 .... 39.95

Number Theory. I/III + *† G Definitions, examples, and exercises on constructive or computational aspects of number theory concepts.
26-2613 .... 69.95

Matrices, Determinants, and Simultaneous Equations. I/III + *† G Generates problems related to simple matrix algebra. 26-2620 .... 49.95

Quadratic Equations. I/III + *† G Practice in coefficient and equation recognition, discriminant evaluation, type of roots, more.
26-2623 .... 49.95

TRS-80 Chemistry Lab. Six laboratory experiment simulations on Kinetic Theory, Charles' Law, Boyle's Law, Titration, Conductivity and Solubility. Students control variables in experiments in order to see changing results. Each package includes an instructor's manual and 25 student experiment books.

Vol. I. I/III + *† G 26-2609 ... 199.00
Vol. I. CC † H 26-2626 ...... 199.00

Additional Student Experiment Book. For use with 26-2609 and 26-2626.
26-2666 .... 3.00

MORE TRS-80 CLASSROOM COURSEWARE

Language Arts and Reading Programs
New! Packages from the Creators of Sesame Street®

These superb courseware packages were designed by Children's Computer Workshop, an activity of Children's Television Workshop—the creators of Sesame Street®. For use with first and second graders, each package includes diskettes, teacher's guide, board games, posters, spirit masters and activity cards. Disk drive required.

Play-With-Language. CC Ⓘ Consists of three word and reading activities that combine graphics and text to teach sight and vocabulary words, decoding and comprehension skills, such as classification, following directions and sequencing.
26-2538 . . . . 99.00

Hands On! CC Ⓘ A program that encourages creative self-expression with the TRS-80 computer. The first activity lets students write with beginning word processing aids, such as insertion and deletion of text. A student's writing may be saved, and files can be created and shared with other students. With the second activity, children create and manipulate pictures in ways unique to computer art—colors can be changed, images duplicated, turned, moved, or scrolled horizontally and vertically. Pictures can be saved and later used to stimulate storywriting or used for other class exercises.
26-2539 . . . . 99.00

High Motivation Reading Series

HMRS is based on reading materials for levels 4-6. Four illustrated copies of the student reader and a read-along audio tape accompany the program. The computer measures several comprehension skills, such as understanding the main idea, sequence of events, and details. Includes spelling and vocabulary exercises based on words from the story. Program can be used with optional Student Records System that stores student scores on disk. TRS-80 MicroPILOT™ (26-2718) required.

HMRS Charles Lindbergh/Amelia Earhart. III* Ⓐ 26-2513 . . . . 74.95
HMRS Hound of the Baskervilles. III* Ⓐ 26-2514 . . . . 69.95
HMRS Dracula. III* Ⓐ 26-2515 . . . . 69.95
HMRS Moby Dick. III* Ⓐ 26-2516 . . . . 69.95
HMRS The Beatles. III* Ⓐ 26-2517 . . . . 69.95
HMRS 20,000 Leagues Under the Sea. III* Ⓐ 26-2518 . . . . 69.95
NEW! HMRS Time Machine. III* Ⓐ 26-2519 . . . . 59.95
NEW! HMRS Frankenstein. III* Ⓐ 26-2520 . . . . 59.95
HMRS Student Record System. III* Ⓐ 26-2521 . . . . 29.95

Computer Assisted Reading Development Series

C.A.R.D. Adapted from the Philadelphia Computer Assisted Reading Development Program for children needing extra practice at the 4th-8th grade level. Requires AUTHOR I Lesson Presentation Package (26-2707) or TRS-80 AUTHOR I (26-1727). Compatible with our Network 3 using the Network 3 Lesson Presentation Package (26-2713).

C.A.R.D. I: Sentences. III* Ⓒ Covers sentence recognition, relationships, ordering, and labeling.
26-2603 . . . . 199.00

NEW! C.A.R.D. II: Paragraphs. III* Ⓒ Students define sentence relationships within a paragraph.
26-2604 . . . . 199.00

Introduction to the Alphabet

I/III + * Ⓖ Helps 4-6 year olds learn the alphabet and keyboard. 26-1718 . . 39.95

Minimum System Requirements for Radio Shack's Educational Hardware and Software

I — Model I
III — Model III
  (Model III courseware will run on a Model 4 in Model III mode.)
CC — Color Computer

Ⓐ 32K With One Drive
Ⓒ 48K With One Drive
Ⓔ 64K With One Drive
Ⓖ 16K With Cassette
Ⓗ 16K Extended Color BASIC
Ⓘ 32K Extended Color BASIC

+ Furnished on cassette and diskette. Disk version requires 32K with one drive.
* Compatible with Network 3. Requires additional 16K and RS-232C in student station.
† Compatible with Network 2.

Business Programs

NEW! Corplan. III* Ⓒ. A management decision simulation game designed to supplement business instruction at the college or advanced secondary level. Allows an individual student or a team to make the quarterly production, sales and financial decisions that will make or break an imaginary company. Combining role-playing and teamwork, Corplan can aid teachers in explaining the basic rules of running a business and the value of long-range planning. Produce charts and screen reports with optional printer. Minimum of 48K in all stations required when Corplan is used in a Network 3 environment.
26-2619 . . . . 49.95

Numeric Data Entry Practice
I/III* Ⓐ A 25-lesson practice course to help students develop speed and accuracy in the 10-key entry of numeric data. Printer optional.
26-2601 . . . . 39.95

History Programs

High Motivation History Series
III* Ⓐ This HMHS Basic Illustrated History of America Learning Unit consists of 12 illustrated books on American history, from 1500 to the 1980's. Includes read-along audio tapes and computer activities diskettes. Requires TRS-80 AUTHOR I Lesson Presentation Package (26-2707) or TRS-80 AUTHOR I (26-1727). Compatible with Network 3 using TRS-80 Network 3 Lesson Presentation Package (26-2713). 26-2645 . . . . 299.00

History of Technology. These packages describe major technological achievements through graphics, text, sound effects and recorded speech. Each package includes four lessons.

Pioneers in Technology. CC Ⓖ Lessons include The Age of Flight, Space Exploration, The Electric Car, and History of Computers. 26-2624 . . . 94.95

Inventions That Changed Our Lives. CC Ⓖ Lessons include Edison's Electric Inventions, Bell and the Telephone, The Story of Railroads, and The Age of Television. 26-2625 . . . . 94.95

EDUCATION MANAGEMENT SYSTEMS

Radio Shack Makes Courseware Development Easy

Our authoring systems make it easy to create courseware with a TRS-80 computer. No extensive programming knowledge is required.

TRS-80 MicroPILOT™

III* Ⓐ Create your own TRS-80 courseware or adapt it from any curriculum suitable for computer assisted instruction (CAI). TRS-80 MicroPILOT is command-oriented. It's based on the PILOT computer language, but offers extended graphics and disk file handling capabilities. Features one-letter commands, upper and lower case characters and branching. Includes user's manual, sample lesson and a reference section. 26-2718 . . . . 119.95

TRS-80 Color PILOT

Color PILOT lets you mix text and high-resolution graphics. It features a built-in line editor and easy one-letter commands. Graphics operators include color, line, box, window and more. Display options include upper and lower case characters and user-generated characters. Linking to program segments on disk is supported. Complete instruction and reference manual, with sample programs.
TRS-80 Color PILOT Tape Version. CC Ⓖ Printer optional. 26-2709 . . . . . . 59.95
TRS-80 Color PILOT Disk Version. CC Ⓐ Printer optional. 26-2710 . . . . . . 79.95

TRS-80 AUTHOR I

I/III Ⓐ A screen-oriented authoring system that allows teachers to create CAI materials. Features full-screen editing, graphics, branching and automatic score-keeping option. Teacher can include a glossary, hints, feedback messages. Printed report includes scores and timings. Sample lesson on diskette. 26-1727 . . . . 149.95

TRS-80 AUTHOR I
Lesson Presentation Package

I/III Ⓐ Presents lessons that have been created using TRS-80 AUTHOR I. Printed report includes scores and timings. Sample lesson on diskette. (Not required if you have TRS-80 AUTHOR I.)
26-2707 . . . . 64.95

New! TRS-80 Network 3
Lesson Presentation Package

III* Allows you to use our Network 3 Controller to present lessons created with TRS-80 AUTHOR I. Presents the lesson and lets you create a lesson score file for storing performance data on diskette. Print scores and timings with optional line printer. Requires host computer with two disk drives.
26-2713 . . . . 299.00

Quick Quiz:
A Mini-Authoring System

I/III Ⓐ Makes it easy to create, edit, store and give multiple-choice tests in any subject area. Allows up to 40 questions with four choices per question.
26-1728 . . . . 39.95
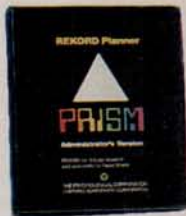
Administrative Applications

Student Information System

Streamlines collection, storage and retrieval of information on every student in your school. Print student or parent address labels. Data base is easily changed to reflect graduations. Requires Model 12 with two disk drives or Model 12 with one disk drive and a hard disk. Additional modules for attendance, grades and scheduling will soon be available.
26-2729 . . . . 249.00

REKORD™ Planner

III Ⓒ Create your own record-keeping system. File student data, print out student and school information, and generate reports. This versatile system makes information instantly available about any student in the file. Available in three versions.
Administrator. 26-2725 . . . . . . 499.00
Counselor. 26-2726 . . . . 499.00
Special Programs. 26-2727 . . . 499.00

CHAMPS™: A Football Scouting Program

I/III Ⓒ Store and analyze scouting information on your opponents' offense. Get answers to specific tendency questions in seconds. Includes ten CHAMPS Scouting Manuals to aid in data collection. Requires 132-column printer.
26-2703 . . . . 149.95
Additional Scouting Manuals. Pkg. of 10. 26-2708 . . . . 39.95

Minimum System Requirements for Radio Shack's Educational Hardware and Software

I—Model I
III—Model III
    (Model III courseware will run on a Model 4 in Model III mode.)
CC—Color Computer

Ⓐ 32K With One Drive
Ⓒ 48K With One Drive
Ⓔ 64K With One Drive
Ⓖ 16K With Cassette
Ⓗ 16K Extended Color BASIC
Ⓘ 32K Extended Color BASIC

+ Furnished on cassette and diskette. Disk version requires 32K with one drive.

* Compatible with Network 3. Requires additional 16K and RS-232C in student stations.

Take Advantage of Our Educational Resource Series

New Second Edition! TRS-80 Educational Software Sourcebook. An updated, expanded edition of our comprehensive Educational Software Sourcebook. Vendor-furnished listings include descriptions of programs and user site references. Features many new listings for all TRS-80 desktop computers. Also includes publisher profiles of companies that list courseware in the book.
26-2764 . . . . 6.95

TRS-80 Microcomputer Information Handbook for Educators. This informative booklet describes what microcomputers are and how they can be used in classrooms and for administrative purposes. Discusses costs, courseware and other considerations of special concern to the educator. 26-2757 . . . . 2.50

Proposal Writing Guide. A step-by-step guide to writing grant proposals. For educators seeking funding from an outside source (such as the Federal government or a private foundation) for computer-related education projects.
26-2754 . . . . 9.95

My TRS-80 Likes Me. Teacher's guide to helping elementary students understand and enjoy the BASIC computer language. Includes activities and program listings.
26-2751 . . . . 2.50

Number Patterns. This 36-page booklet shows how to introduce sequences and series in an entertaining way using computers. 26-2752 . . . 2.50

TRS-80® COMPUTER EDUCATION SERIES

Learn to Program With BASIC Language Instruction Packages

Complete classroom packages include overhead transparencies, a full set of structured notes and 25 student workbooks. Each lesson includes overview, objectives, note-taking guide, quick quiz and hands-on computer activity.

Part 1: Introduction to BASIC. I/III ⓖ Introduces TRS-80 computer and BASIC language, including branching, graphics, read/data, more. 26-2150 . . . . 220.00

Additional Workbook. 26-2151 . . . . . 3.50

NEW! Part 1 Videotape Lessons. Ten 30-minute lessons based on "Introduction to BASIC" (above). Includes quizzes and hands-on activities. ½" VHS format. Requires Part 1 Student Workbook.
26-2753 . . . . 349.00

Part 2: BASIC Programming. I/III ⓖ Arrays, memory management, string manipulation, variables, editing, error detection, formatting, more. 26-2152 . . . . 260.00

Additional Workbook. 26-2153 . . . . . 4.50

Part 3: Advanced BASIC. I/III ⓖ INKEY$, ASCII set, graphics, cassette data files, math functions, multi-dimensional arrays, more. 26-2154 . . . . 260.00

Additional Workbook. 26-2155 . . . . . 4.50

Part 4: TRSDOS. I/III ⓐ Library and utility commands, troubleshooting, error messages, machine language commands, more. 26-2156 . . . . 299.00

Additional Workbook. 26-2157 . . . . . 4.50

NOTE: Software not included in the above BASIC series. Student activities are designed for hands-on experience with Level II or Model III BASIC (or TRSDOS in Part 4).

COBOL Language Instruction

An instructional software package for secondary and post-secondary students designed to teach fundamentals of COBOL programming on a 64K Model II, or a Model 12 or 16 (in the Model II mode). Each package contains a self-teaching manual and a Model II diskette with hands-on exercises in programming, editing and debugging. The diskette contains a copy of every program in the manual, plus interactive quizzes to test progress, with appropriate feedback for right and wrong answers. The Radio Shack COBOL Development System (26-4703) is required to run the hands-on exercises. 26-2706 . . . . 49.95

COBOL Class Notes. Can be used in the classroom, or as a study guide for self-teaching. 26-2723 . . . . 9.95

Introduction to TRS-80 Level II BASIC. Textbook designed to introduce secondary students to BASIC programming. New concepts are introduced sequentially. Student exercises end each chapter. 26-2116 . . . . . 9.95

Introduce Your Students to Computers with Our Computer Literacy Packages

New! The Computer Connection

- Introduces Basics of Computer Literacy
- For Junior and Senior High School Students
- Computer Not Required

Acquaint students with the computer—even if your school is without one. Easy-to-understand approach. Adapts to most subject areas. Includes teacher's guide with lesson plans, spirit activity masters, four wall charts and 80-frame filmstrip and audio cassette. 26-2663 . . . . 69.00

Computer Discovery™

Introduces students to computers and discusses their history and impact on society. Also presents basic computer programming concepts. Each package includes interactive exercises, 25 student workbooks and instructor's manual.

Computer Discovery for Junior High.
III ⓐ 26-2630 . . . . 189.95

Additional Workbook. 26-2631 . . . . . 4.25

Computer Discovery for Senior High.
III ⓐ 26-2632 . . . . 189.95

Additional Workbook. 26-2636 . . . . . 4.25

Color LOGO Programming Language

Color LOGO helps students grasp graphic relationships and develop problem-solving skills. Students learn to program through control of a "turtle" graphic on the screen. The computer becomes a friendly learning tool, and students gain insight into advanced mathematical, geometric and logical concepts through "hands-on" experimentation. Children under reading age can use a "doodle" mode to create their own graphics using pre-defined one-key commands. Students will learn to produce an unlimited number of designs, from simple to complex, merely by changing the turtle's direction and movement. A "hatch" command creates multiple turtles capable of running separate programs simultaneously on the screen. This unique feature allows creation of simple animation and games. Includes comprehensive instruction manual with lessons and programs for beginners and advanced users. Procedures written with Color LOGO may be uploaded or downloaded with a Network 2 Controller.

TRS-80 Color LOGO Disk Version. CC ⓐ
26-2721 . . . . 99.00

TRS-80 Color LOGO Program Pak. CC ⓖ
26-2722 . . . . 49.95

NEW! Color LOGO Teacher's Book.
26-2761 . . . . 3.95**

NEW! Color LOGO Parent's Book.
26-2763 . . . . 3.95**

Computer Literacy: Computers Past and Present

Illustrates the history of computers for students in grades 4 through 8. Explains what a computer is, what it can do and how it works. Access to a computer is not necessary. Includes teacher's guide, six spirit masters and a colorful 22 × 34" wall chart.
26-2755 . . . . 9.95

New! Careers in Computing

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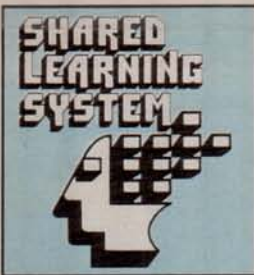26-2758 . . . . 130.00

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16K Standard Color Computer 2

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TRS-80 Color Computers Are Better Than Ever! We improved our most popular family computers with a compact white case, low-profile, electric typewriter-quality keyboard and prices that are less than last year's models!

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- Learn to Write BASIC Programs
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SUPER-POWERFUL COLOR COMPUTER 2

64K Extended BASIC

NEW FOR '84

259.95
Less TV

AS LOW AS $26 PER MONTH

- 64,000 Characters of Memory
- Attractive White Case With Typewriter-Quality Keyboard
- Easy-to-Use One-Line Commands Simplify Detailed Color Graphics
- 256 × 192 Resolution (49,152 Pixels)

The Heart of a Sophisticated Disk-Based Color Graphics System. Double your programming power with our new, low-cost 64K Extended BASIC Color Computer 2. You'll enjoy creating spectacular color graphics with this truly professional system.

Dynamic Enhancements. The 64K Color Computer gives you a compact, white case with a new electric typewriter-quality keyboard. Add our new Color Computer 2 Disk Kit and OS-9 operating system (see page 54) to utilize the full 64,000-character memory. Or access 32K of memory using the powerful, built-in Extended BASIC language.

Feature-Packed. Get the features required by the serious programmer. Allows multi-character variable names (two significant), string arrays up to 255 characters, full-featured editing, tracing, floating point 9-digit accuracy, trigonometric functions, user definable keys, specific error messages, and PEEK, POKE and USR commands.

Easily Expandable. You can add a printer, plotter, digitizer, graphics tablet, up to four disk drives for greatly increased storage, or a telephone interface for communications.

64K Color Computer 2. Attaches to any TV set. Includes operator's manual and tutorial manuals. U.L. listed.
26-3127. Avail. 2/15/84 .... 259.95

Color Computer Specifications

Microprocessor: 6809E 8-bit processor. **Clock Speed:** 0.894 MHz. **Keyboard:** 53 keys, including up, down, right and left arrows, BREAK and CLEAR. **Video Display:** 16 lines of 32 upper case characters. Color graphics capabilities range from 32 × 64 (8 colors) to 192 × 256 (1 color and background color) with 3 intermediate formats. Higher resolutions in the same range are available through machine language, Extended BASIC or Program Paks. Output connects to any standard TV set (300 ohms) and includes video and sound. **Memory:** Color BASIC is in 8K ROM, 16K internal dynamic RAM. **Input/Output:** 1500-baud cassette (recorder optional). Connectors for two 2-dimensional joysticks (optional). RS-232C serial I/O port. **Interrupt Timer:** Accessible from

Extended BASIC or machine language only. **Dimensions:** $3 \times 10^{3/8} \times 14^{3/4}$". **Power:** 120VAC, 60 Hz, less than 50W.

Additional Extended BASIC Specifications

Memory: Extended Color BASIC is in an additional 8K ROM, 16K or 64K internal dynamic RAM. **Graphics:** Five formats up to 192 × 256. **Commands/Statements:** CIRCLE, CLOADM, COLOR, CSAVEM, DEF FN, DEFUSRn, DEL, DRAW, EDIT, GET, INSTR, LET, LINE, LINE INPUT, MID$S, PAINT, PCLEAR, PCLS, PCOPY, PLAY, PMODE, PRESET, PRINT USING, PSET, PUT, RENUM, SCREEN, TROFF, TRON. **Functions:** ATN, COS, EXP, FIX, HEX$S, LOG, PEEK, POS, PPOINT, STRING$S, SQR, TAN, TIMER, USRn.

NEW! Multi-Pak Interface. Now you can connect up to four Program Paks to your Color Computer at once! Connect devices, too, such as a Color Computer disk drive and graphics tablet. When you're ready to change from one Program Pak to another, just move the Interface's selector switch. Or change between slots under program control. U.L. listed.
26-3024 .... 179.95

NEW! Deluxe RS-232 Program Pak™. Low-cost communications package for your Color Computer! Built-in software lets you communicate with major information services like CompuServe® and Dow Jones News/Retrieval®. Communicate with other computers over telephone lines by sending and receiving data and programs. Simply connect a modem to your computer. Frees serial port

to connect an optional printer. Features include programmable baud rate, full or half duplex capability, selectable 7 or 8-bit word length, as well as the ability to transmit and receive BASIC and machine language programs.
26-2226 .... 79.95

Color Computer Upgrade Kits

16K RAM Kit. Converts a 4K Color Computer to 16K. 26-3015 .... 49.00*

New Low Price! 64K RAM Kit. Upgrades your existing Color Computer to 64K RAM. Was $149.00 in Cat. RSC-10.
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26-3018 .... 39.95*

NEW! Low Profile Keyboard Kit. Fits all previous models. 26-3016 ..... 39.95*

*Upgrade kit prices do not include required installation.

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DISK DRIVES FOR COLOR COMPUTERS

Disk Operating System is Stored in ROM and Uses Only About 2K of Internal Memory

Extend Your Storage Capacity With One Or More Disk Drives

1st Drive
399⁹⁵
AS LOW AS
$28 PER MONTH

2nd, 3rd, 4th Drives
279⁹⁵
AS LOW AS
$26 PER MONTH

- 156,672 Characters of User Storage Per Disk
- Quick and Easy Access to Programs And Data
- Plugs into Computer's Program Pak™ Port or Multi-Pak Interface
- Add Up to Four Drives for a Total of Over 626,000 Characters of Storage

A Color Computer Enhancement. Now you can turn your Extended BASIC Color Computer into a complete disk system at an unbelievably low price! With a Color Disk Drive, you get quick and easy access to 156,672 characters of user storage for your program and data files. You'll also be able to use our color disk software.

Easy Installation. Simply plug the Color Disk Drive controller Program Pak™ into your Color Computer's cartridge port. The Color Disk Operating System is completely contained in the controller Program Pak, so the full 156K-byte disk capacity is available for on-line storage.

Everything You Need. When you purchase your first drive, you get one 5¹/₄" double-density, 35-track floppy disk drive, plug-in Program Pak cartridge with cable, one blank 5¹/₄" diskette, reference manual and operator's instructions. Included cable allows up to two drives on a system. U.L. listed.

NEW! Color Computer 2 Disk #0 Kit. Use with our new Color Computer 2.
26-3029 . . . . 399.95
Color Disk #1, 2 or 3. Requires Disk #0.
26-3023 . . . . 279.95
Color Disk #0 Kit. For original Color Computer. 26-3022 . . . . 399.95

SPECIFICATIONS. Drive: 5¹/₄" mini floppy disk, 35 tracks, 18 sectors per track, 256 bytes per sector, double-density. **Capacity:** 156,672 user bytes per diskette. **Disk Speed:** 300 rpm. **Seek Time:** 30 milliseconds, track to track. **Data Transfer Rate:** 250K bits/sec. **Dimensions:** 6¹/₈ × 3⁷/₁₆ × 11⁷/₈". **Weight:** 8¹/₂ lbs. **Power Requirement:** 120VAC, 60 Hz, 36 V-A.

New 64K Color Computer Programming Languages

OS-9 Disk Operating System
Our new programming development languages (right) run on OS-9, a real-time operating system that accesses the entire memory of the new 64K Extended Color Computer. OS-9 includes functions for disk and terminal input/output, software memory management and multitasking. It contains approximately 40 utility programs used for system and disk file maintenance and control. System programs are written in assembly language, except for some utilities written in the C language.

OS-9 Organization. The various system programs can be grouped into four functional areas: system executive for overall management, shell programs that interpret commands from the keyboard, file managers which perform the input/output functions, and device driver programs which adapt OS-9 to the Color Computer's input/output interfaces.

Editor/Assembler. Allows development of assembly language applications. The diskette consists of three programs: text editor, assembler and debugger.

Text Editor. Gives you the ability to edit your assembly programs easily. Includes commands to edit single characters, groups of characters, complete lines, or groups of lines. A macro definition facility allows the creation of new edit commands to perform commonly used complex editing functions.

Assembler. Converts assembly programs to 6809 microprocessor machine language for execution. The assembler will also produce a formatted program listing and alphabetized symbol table listing. It can also convert compiler-produced programs.

Debugger. Designed to facilitate testing of machine language programs. It includes commands to examine, dump, change and test memory; examine, change or initialize registers; insert and/or remove program breakpoints; execute programs; run OS-9 commands; and

evaluate and convert arithmetic expressions in or to binary, hexadecimal or decimal number systems.

OS-9. With documentation, reference manual and 5¹/₄" diskette.
26-3030 . . . . 69.95
BASIC-09
An enhanced version of standard BASIC written for the 6809 microprocessor. BASIC-09 includes advanced features derived from PASCAL for structured programming. It uses an interactive compiler that produces compact object programs for high-speed execution.

Four Major Modes. BASIC-09's command mode includes instructions for saving, loading and listing programs. In the edit mode, programs are entered or modified—with simultaneous error checking—and compiled. Programs are run in the execution mode, and the debug mode includes commands which allow high-level symbolic testing and debugging of programs.

BASIC-09. 26-3036. . . . . 99.95

COLOR COMPUTER DISK SOFTWARE

Color Profile®
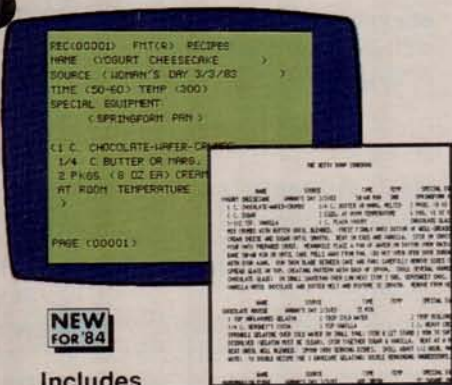
NEW FOR '84

Includes Powerful Search Facilities

End those frustrating searches through mounds of paper with your own personalized electronic filing system! Color Profile makes it easy to create and update files for warranties, insurance, taxes, receipts, banking transactions, or any household records you want to keep track of. Store and recall information in seconds by defining up to four primary and four secondary search keys. Create up to 256 data fields. Includes password protection and convenient reallocate facility for easy insertion of new data.
-3253 . . . . 59.95

Color Disk Editor/Assembler

NEW FOR '84

For More Efficient Programming

Get the speed and efficiency of machine language programming with Color Disk Editor/Assembler! You can develop your own 6809 program and subroutine files with fast disk access. Save and load editor files to and from diskette for changing and reassembling your programs. A time and memory-saving INCLUDE facility allows source code to be stored in separate files. With INCLUDE statements used in a program, program modules can be called in separately for assembly. Also includes printer output pagination, assembler macro facility with automatic symbol generator, and ZBug for quick and easy testing. 26-3254 . . . . 59.95
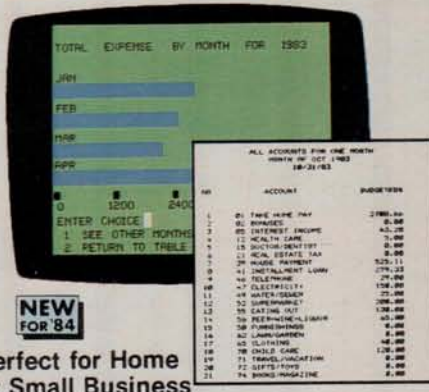
Color Disk SCRIPSIT®
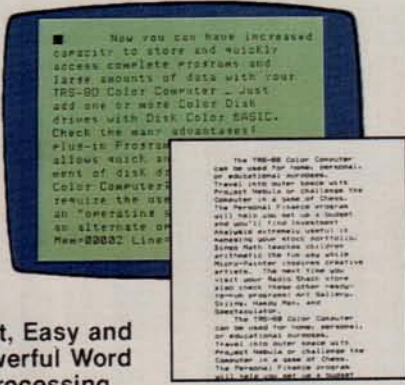
Fast, Easy and Powerful Word Processing

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Store and Recall Data In Seconds

Get fast access to household records. It's a breeze to keep up with home inventories, addresses, medical histories and more. 26-3260 . . . . 49.95
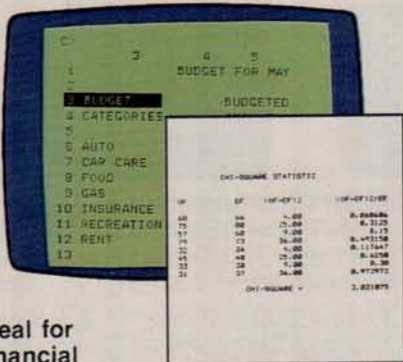
Cash Budget Management

NEW FOR '84

Perfect for Home or Small Business

Maintain your budget and keep track of your cash flow the easy way. Cash Budget Management is based on cash transactions—enter income and expenses using checking, petty cash and savings accounts. Analyze transactions at any time. 26-3261 . . . . 49.95

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Display or Print Handy Charts

Create and plot color charts and graphs! Formats include vertical or horizontal bar charts, pie charts and line charts. You can label graph lines with a key legend and save your charts on disk.
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Combines Strategy with Graphics

On your perilous search through the Sahara, you see its scorching and mysterious sun, pyramids and still palms. Can you crack the secret of the ancient Tomb of Ra in your allotted number of moves and escape with the desert treasure? 26-3290 . . . . 29.95

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New! Learn with Walt Disney's Most Popular Characters

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High-resolution screen graphics with displayed text, recorded narration and music. Children get immediate feedback for answers. Includes activities for increasing comprehension.

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For any 16K TRS-80 Color Computer. Disney software and characters ©1983 Walt Disney Productions.

New! Children's Computer Workshop Series by the Sesame Street® Creators

NEW! Grobot. *** A Creative Exploration Game. Challenging action in which players plant, protect and harvest an outer space "astrogarden." Encourages quick thinking and good planning. For ages 10 and up. 26-2527 . . . . 19.95

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Fun With Reading. Each package includes an illustrated reader, a read-along cassette tape, and a computer tape with spelling and vocabulary exercises with immediate feedback. For grades 4-6.

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Color LOGO. Learn to program with "turtle graphics". Helps kids grasp graphic relationships and develop problem solving skills. 26-2722 . . . . 49.95

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NEW! Atom. Place the electrons in orbit! 26-3149 . . . . 19.95

*Joysticks required. **Cassette recorder required. ***Joysticks and cassette recorder required.

EXCITING COLOR COMPUTER GAMES

New! Experience Arcade Thrills with ZAXXON™!

34⁹⁵

- For One or Two Players ■ Official Sega® Version by Datasoft
- Lets You Stop Games in Progress and Continue Them Later

ZAXXON.* Bring the exciting action of this popular arcade game into your own living room! Dodge missiles, blow up fuel tanks and radar towers and zap the enemy fleet to score points, then match wits with the deadly ZAXXON Robot himself! Challenges escalate as you progress, too. Fun for the whole family. 32K required. 26-3062 . . . . 34.95
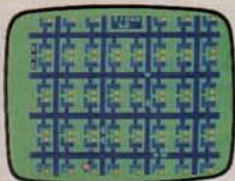
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Skiing. 26-3058 . . . . 29.95

NEW! Baseball. You're in full control of this realistic game! 26-3095 . . . . 24.95

Color Backgammon. 26-3059 . . . 17.95

Wildcatting. One to four wheeler-dealers pick drilling sites. 26-3067 . . . . . . 24.95

Color Cubes. Play that maddening cube puzzle. 26-3075 . . . . 29.95

Gin Champion. Play 16 different versions. 26-3083 . . . . 29.95

NEW! Slay the Nerius.* Defend your subs against deadly starfish and the ancient seaworm—the Nerius. 26-3086 . . . . . 24.95

NEW! Reactoids.* Meltdown at a fusion reactor! Take control of the reactoid to contain the atoms. 26-3092 . . . . 19.95

Cassette Game Software for Your Color Computer

Pyramid.** Explore unknown passages for treasure! 26-3310 . . . . 14.95

Raaka-Tu™.** Venture into a temple of a lost world. 26-3311 . . . . 14.95

Bedlam.** Can you escape from the asylum? 26-3312 . . . . 14.95

Madness and the Minotaur.** Search for riches. 26-3313 . . . . 14.95

NEW! Klendathu.** Destroy deadly invaders. 26-2567 . . . . 14.95

Card Games.** 26-3320 . . . . 19.95

*Joysticks required. **Cassette recorder required. ***Joysticks and cassette recorder required.
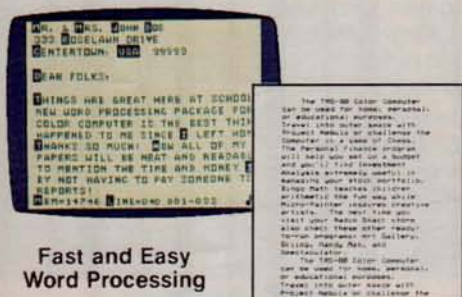
COLOR COMPUTER PROGRAM PAKS

Graphics Pack
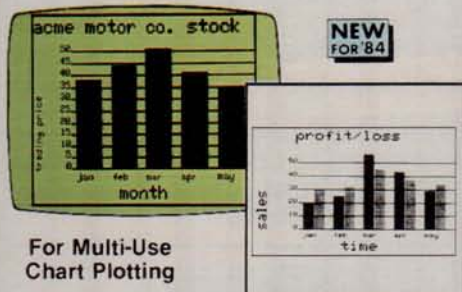
For Multi-Use Chart Plotting

Easily create and plot a variety of charts and graphs! Display them on your screen in color, or print them using an optional graphics printer. Chart formats include vertical or horizontal bar charts, pie charts and line charts. And you can label the lines used on your graphs with a key "legend". Save your charts on cassette tapes with an optional cassette recorder.
26-3157 . . . . 39.95

Color File

Stores Data Electronically

File away your records electronically! Color File lets you quickly and easily store, retrieve and use various types of important data, such as addresses, warranties and personal records. Easily alphabetize, select, examine, print, change and save your information. Seven ready-to-use files—or create your own. Requires cassette recorder.
26-3103 . . . . 24.95

Spectaculator

Calculates "What If?"

Do your planning, forecasting and problem-solving with this "electronic spreadsheet." Just enter numbers and formulas, and Spectaculator will calculate and display the results automatically, saving you time and effort. Enter new figures and it updates all related numbers. Up to 99 rows and columns. Recorder recommended.
26-3104 . . . . 34.95

Color SCRIPSIT®

Fast and Easy Word Processing

No more messy erasure marks or runny correction fluid. Type and edit your letters, themes and reports right on the screen. Insert, delete, move and duplicate words, sentences, even whole paragraphs. Text can be saved on tape (recorder optional) or printed "correction-free" with optional printer (outputs upper and lower case).
26-3105 . . . . 34.95

Micropainter

Express your artistic talent on the Color Computer! Micropainter is an electronic "coloring book" that the whole family will enjoy. Load a picture into the computer and "paint" what appears on the video screen! Three palettes, each with four colors. Save results on tape with optional cassette recorder. With eight pictures (more available). Joysticks are optional.
26-3077 . . . . 34.95

Audio Spectrum Analyzer

The perfect way for the hi-fi enthusiast to test stereo equipment for maximum performance! Color bar graphs show the power distribution over nine full octaves in 1/3 octave segments from 31.5 to 12,500 Hz. Or enjoy the colorful visual patterns that change with the music. Requires cable (26-1207), which attaches to cassette output of amplifier.
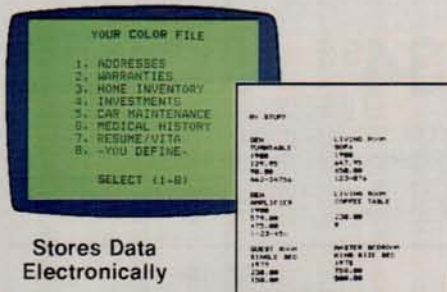26-3156 . . . . 14.95

Diagnostic ROM

Make sure your TRS-80 Color Computer is in top shape with this diagnostic program. You can test BASIC and Expansion ROM, RAM, video, RS-232, cassette and printer ports, sound and keyboard. Optional equipment may be required.
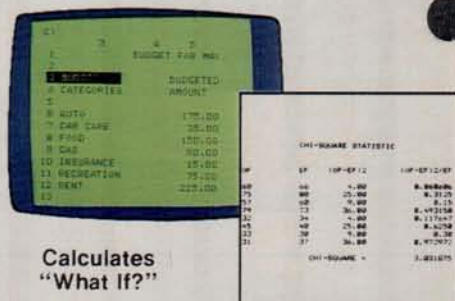26-3019 . . . . 19.95

Art Gallery

Draw landscapes, seascapes, still lifes, cartoons and more using superb graphics with up to eight colors. Save results on tape with an optional cassette recorder. With 27 images (more available). Joysticks (optional) can be used as brushes.
26-3061 . . . . 39.95

Handyman

Embarking on a home improvements program or lawn project? Just feed in the measurements and Handyman will tell you how much lumber, paint, insulation, fertilizer, sand, gravel, etc. you'll need. Handyman helps you compare prices, too! 26-3154 . . . . 29.95

Editor/Assembler

Develop 6809 software programs or subroutines. You get trial assembly of object code and execution of your program in memory before final assembly to tape, an editor that enables you to change your program and reassemble, and ZBug for quick and easy testing. Requires 16K.
26-3250 . . . . 49.95

New! Color Compac

Cassette-based program features the software to configure your Color Computer's serial port for communication. Access major data bases, plus transmit and receive BASIC programs and machine language routines by phone (requires modem and cable). Requires cassette recorder. 26-3330 . . . . 29.95
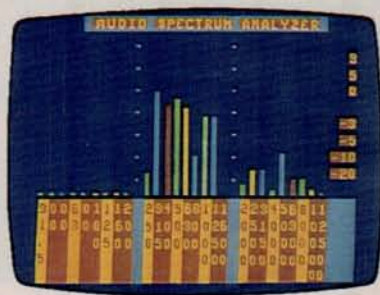
New! Personal Finance II

Set up a budget to see where all your money is going! Learn where to correct bad financial habits. Features 26 major expense categories: auto, gas, clothing, food, retirement, more. Review expenditures on a year-to-date or category basis. Includes printouts and graphs.
26-3106 . . . . 34.95

GET YOUR START IN COLOR COMPUTING

Compact Color Computer— Ideal for Beginners!

NEW LOW PRICE **79⁹⁵**

Was $119.95 in Cat. RSC-10

- Eight Colors ■ Attaches to Any TV
- 255 Tones for Great Sound Effects
- 4K Memory—Expandable to 20K
- Easy-to-Use Micro BASIC Commands
- Measures 2 × 7 × 8¹/₂"

TRS-80 Micro Color Computer Model MC-10. The easy and affordable way to join the "computer revolution"! Just attach the MC-10 to any television and you're all set. Learn to write your own programs with color and sound using our excellent tutorial manual (included). Or use programs from our growing library of ready-to-run MC-10 cassette software for entertainment or education. Produce graphics characters with just two keystrokes. Enter BASIC commands using multi-purpose keys. The MC-10 features a standard typewriter-style keyboard—not a flat, plastic overlay. Displays 16 lines of 32 upper case characters with reverse video capability. The MC-10 has a cassette port that lets you use an optional cassette recorder to save and load programs and data, and an RS-232C serial interface to connect a printer or modem. U.L. listed. 26-3011 . . . . 79.95

16K RAM Module

Write larger, more complex programs on your MC-10. Slip the 16K RAM Module into the slot located on the back of the computer for an additional 16,000 characters of program and data space— 20,000 characters total.
26-3013 . . . . 49.95

MC-10 Specifications

Microprocessor: 6803 8-bit. **Keyboard:** 47-key typewriter-style, with Break, Control and 16 graphics keys. Multi-function keys for BASIC commands. **Video Display:** 16 lines of 32 upper case characters. Output connects to any standard TV set (300 ohms) and includes video and sound. **Memory:** 4K RAM, expandable to 20K. **Input/Output:** 1500-baud cassette (recorder optional). RS-232C serial I/O port. **Dimensions:** 2 × 7 × 8¹/₂". **Weight:** 29¹/₂ ounces. **Power:** 120 VAC, 60 Hz. 16W.

New! Ready-to-Run Cassette Software for the TRS-80 Micro Color Computer

Micro Color Checkers. Try your skill against the computer's in this all-time favorite! 26-3360 . . . . 8.95

Micro Color Games Pak. Play Lunar Lander, Breakout, Hangman and Pong! Fun for the whole family. 26-3361 . . . . 9.95

Micro Color Math/Design Package. Perform math functions and plot graphics. A great learning aid. 26-3362 . . . . . . 9.95

Micro Color Pinball. Great arcade-style action and excitement! Requires 16K RAM Module. 26-3363 . . . . 9.95

Micro Compac. Configure your MC-10's serial port for communications. Access major news and financial data bases, such as CompuServe® and Dow Jones News/Retrieval® for the most up-to-date information (requires optional modem and cable). 26-3350 . . . . 29.95

Low-Cost, Thermal Matrix Printer With Graphics

NEW FOR '84 **99⁹⁵** USE YOUR [Radio Shack CITILINE]

- Ideal for Use With the MC-10
- Prints Graphics and Alphanumerics
- Whisper Quiet ■ Measures 3 × 8 × 5"

TP-10 Thermal Printer. Prints 32 characters per line at 30 characters per second on 4¹/₈"-wide thermal paper. Features include elongation mode for expanded print and a special repeat function to make graphics programming easier. Color Computer-compatible serial interface (600 baud). U.L. listed.
26-1261 . . . . 99.95

Paper. 4¹/₈"-wide thermal.
26-1332 . . . . Pkg. of 2/3.95

SPECIFICATIONS. Character Set: 94 ASCII, 16 graphics. **Pitch:** 10, 5 cpi. **Line Spacing:** ¹/₆ inch. **Dimensions:** 3 × 8 × 5". **Weight:** 3¹/₄ lbs. **Power:** 120VAC, 60 Hz, 18W.

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NEW TRS-80 POCKET COMPUTERS

Get the Right Solution Quickly With PC-3

- Programmable in Easy-to-Learn BASIC
- Ready-to-Run Software Available
- 16 Arithmetic and 8 String Functions
- 10-Digit Accuracy ∎ 1.4K Memory
- Measures ³/8 × 5⁵/16 × 2³/4"

TRS-80 Pocket Computer Model PC-3. A computer so small it fits in pocket or purse! Program PC-3 to solve tough problems, or use our ready-to-run software (requires interface and recorder). Use strings of up to seven characters. Features 24-character LCD, two-digit exponents, multiple statements, arrays, edit and trace. Statement compaction squeezes memory space. Automatic power-off saves battery life. Comes with batteries and manual. 26-3590 ... 99.95

PC-3 Printer/Cassette Interface

Shown with PC-3 (not included)

- Quality Printing on Thermal Paper
- Loads and Stores Programs on Tape
- Includes Rechargeable Batteries and Charger

PC-3 Printer/Cassette Interface. Get the most from your PC-3 with our new thermal dot printer and cassette interface! Provides hard copy, plus lets you save programs on ordinary cassette tapes (requires recorder). Prints 24 characters per line at one line per second, with wrap-around. Slip PC-3 into the Printer/Cassette Interface and you're ready to go! Includes U.L. listed AC adapter/charger, paper, cable and manual. 26-3591 .... 119.95
PC-3 Thermal Paper. 2¹/4" wide. 26-3592 ...... Pkg. of 5/2.49

Choose from Our Library of Ready-to-Run Software for the PC-3 Pocket Computer

Personal Finance. 26-3518 ...... 19.95	Surveying. 26-3512 .... 29.95	Engineering Math II. 26-3526 .... 14.95	Games II. 26-3523 .... 14.95
Business Finance. 26-3517 ...... 19.95	Aviation. 26-3513 .... 24.95	Engineering Math III. 26-3527 .... 10.95	Calendars. 26-3529 .... 19.95
Business Statistics. 26-3516 ..... 19.95	Electrical Engineering I.	Engineering Math IV.	Horse Race Analyst.
Statistical Analysis. 26-3522 ..... 24.95	26-3520 .... 24.95	26-3528 .... 7.95	26-3530 1
Real Estate Analysis. 26-3510 .... 24.95	Engineering Math I.	Math Drill. 26-3514 .... 14.95	Banners. 26-3531 .... 9.95
Civil Engineering. 26-3511 .... 24.95	26-3525 .... 14.95	Games I. 26-3515 .... 14.95	Golf Scoring. 26-3532 .... 14.95

Get This Completely Portable TRS-80 Pocket Computer System for Under $190

- Measures ³/8 × 6¹/2 × 2³/4"
- Expandable 544-Character Memory

TRS-80 Pocket Computer Model PC-4. Our lowest-priced pocket computer ever! You can maintain up to 10 programs in memory or combine the programming area to allow longer programs. Each program can be identified with a single-key label and run simply by pressing the specified key. PC-4's BASIC includes 23 commands, 15 functions and 10-digit numeric accuracy. Use just two keystrokes to enter up to 16 common commands, such as LIST and GOSUB. Programs can accept words as data (strings up to 30 characters). Edit and Debug modes make the PC-4 much easier to program than a programmable calculator. The typewriter-style keyboard includes 53 alphabetic keys and a 10-key numeric datapad. The big 12-character LCD scrolls to 62 characters. Functions include trig and inverse trig, radians or gradians, log, exponent, square root, angular conversions and absolute values. With batteries and manual. 26-3650 .. 69.95

SPECIFICATIONS. Microprocessor: Custom CMOS VLSI. **Keyboard:** 53 triple-mode upper/lower case alphabetic keys. 10-key numeric datapad. **Display:** 12-character alphanumeric LCD. Lines up to 62 characters. Manual playback of lines longer than 12 characters. **Character Style:** 7 × 5 dot matrix ASCII. **Memory:** 544 program steps, expandable to 1568 with optional plug-in 1K RAM module. **String Handling Ability:** LEN, MID, VAL with strings up to 30 characters in length. **Input/Output:** Expandable with cassette interface and/or printer through 12-pin connector. **Power Requirements:** 2 lithium batteries.

Peripherals to Complete Your PC-4 System

TRS-80 PC-4 Cassette Interface

39⁹⁵

PC-4 Cassette Interface. Store and load programs at 300 baud using an optional cassette recorder. Plugs into rear of PC-4. Weighs 8¹/2 oz., including batteries. Requires two "AA" alkaline batteries. 26-3651 .... 39.95

TRS-80 PC-4 Printer

79⁹⁵

PC-4 Printer. Operates under control of PC-4 to print out programs and data at 20 characters per line (60 lpm) in an electro-thermal 5 × 7 dot matrix. Includes rechargeable batteries and U.L. listed AC adapter/charger. 26-3652 .... 79.95
PC-4 Thermal Paper. 65-711 .... Pkg. of 5/2.19

1K RAM Module. Triples the memory of your PC-4 for an additional 1024 characters of program and data power. Inserts within PC-4. Only one module may be used. 26-3653 .... 19.95

Carrying Case. Custom padded vinyl case protects your PC-4, printer and cassette interface wherever you go. Zippered opening. Pocket for AC adapter/charger. 26-3654 .... 7.95

GET BIG COMPUTER POWER WITH PC-2

Its Power and Speed Rivals Many Desktop Micros!

199⁹⁵ USE YOUR *Radio Shack CITILINE*

- 1¹/₁₆ × 7¹¹/₁₆ × 3³/₈" ■ Weighs 14 Oz.
- Programmable in Extended BASIC
- Expandable 2640-Character Memory
- Addressable 7 × 156 Dot-Matrix LCD for Graphics and ASCII Characters
- Retains Programs and Data When Off
- Ready-to-Run Software Available

TRS-80 Pocket Computer Model PC-2. This versatile portable computer is perfect for students, engineers, business people, scientists—anyone with problems to solve on the go! Simply add our Printer/Plotter/Interface and a cassette recorder and choose from a variety of ready-to-run software—or you can program the PC-2 yourself. Our Extended Pocket BASIC features 42 statements, with 34 built-in functions. It gives you two-dimension arrays, variable length character strings with extensive string handling, formatted printing and more. And it's upward compatible with our original Pocket BASIC, so many PC-1 programs can be keyed-in and run on the PC-2. The 26-character Liquid Crystal Display is fully dot-programmable for graphics over its complete 7 × 156 dot matrix. The 65-key keyboard features a typewriter layout and 10-key datapad with 18 programmable functions and 18 user-definable label keys. Built-in real-time clock is accessible from BASIC or the keyboard. There's even a programmable variable tone beeper. Requires 4 "AA" batteries. 26-3601 .... 199.95

SPECIFICATIONS. Microprocessor: 8-bit custom CMOS, 1.3 MHz internal cycle time. **Keyboard:** 65 alphanumeric keys, including 6 programmable function keys for each of 3 Reserve modes, 18 "soft-keys" and 10 pre-programmed command keys. **Display:** 26-character alphanumeric LCD. Automatic scrolling, plus manual playback of lines longer than 26 characters. **Character Style:** 7 × 5 dot matrix ASCII upper and lower case. **Memory:** 16K bytes ROM, 1850 bytes BASIC and data RAM, 600 bytes fixed data memory and 190 bytes reserve memory. **String Handling Ability:** LEFT$, MID$, RIGHT$, LEN, VAL, CHR$ and STR$. Dimensionable from 1 to 80 characters in 2-dimension arrays. **Input/Output:** All address and data lines, power, timing and control signals accessible via 60-pin connector.

Plot Superb Color Graphics and Store Your Data

219⁹⁵ USE YOUR *Radio Shack CITILINE*

- Easy Plotting of Full XY-Axis Graphics With 25 Special BASIC Commands
- Prints Graphics and Alphanumerics in Red, Blue, Green and Black
- Store and Load Programs and Data Using One or Two Cassette Recorders

PC-2 Printer/Plotter/Dual Cassette Interface. Print superbly-detailed 256 × 4096 XY four-color graphics. Read data in from one cassette, update and store it on a second cassette automatically under program control. Includes U.L. listed AC adapter/charger, paper, pens, cassette cables, manual. Uses replaceable ballpoint mini-pens. 26-3605 .... 219.95

Shown with PC-2 (not included)

Printer Accessories

Replacement Pens. 3 black.
26-1480 .... 2.95
Replacement Pens. 1 each: red, blue, green.
26-1481 .... 2.95
Printer Paper. Cash register-type. 2¹/₄" wide.
26-3606 .... 6 rolls/2.49

SPECIFICATIONS. Alphanumeric Printing: Upper and lower case in four colors. Nine column widths (4 to 36 cpl) with wrap-around. **Print Speed:** 11 cps, average. **Graphics/Plotter Printing:** 256 × 4096 color graphics. Controlled by BASIC. 2-dimension axes. **Paper:** 2¹/₄". **Power:** Built-in rechargeable nickel-cadmium battery and U.L. listed AC adapter/charger—both will also power PC-2. **Battery Capacity:** Approx. 1100 printed lines. Charging time 15 hours. **Dimensions:** 2¹/₁₆ × 12¹⁵/₁₆ × 4¹/₂". **Weight:** 28 oz.

Powerful Accessories and Ready-to-Run Programs Extend Your PC-2's Versatility

RS-232C Interface USE YOUR *Radio Shack CITILINE*
199⁹⁵

Access Major Data Networks

RS-232C Interface for PC-2. Allows your PC-2 to use most RS-232 devices. It's programmable from 50 to 2400 baud, and plugs directly into the PC-2 or the Printer/Plotter/Interface. New commands added to PC-2 BASIC make program control easy, and a built-in communications program lets you access services like Dow Jones News/Retrieval® and CompuServe® (requires modem and cable). Includes built-in rechargeable batteries and U.L. listed adapter/charger. 2 × 3³/₈ × 4¹/₂". 26-3612 .... 199.95

Getting Started on the PC-2

This easy-to-read tutorial manual covers commands and programming tips for the PC-2 and the Printer/Plotter/Interface. 26-3620 .... 12.95

Padded Vinyl Carrying Case

Protect your PC-2 system! Holds Printer (with PC-2 installed) and AC adapter/charger, plus pens, paper, etc. 26-3608 .... 29.95

4K and 8K RAM Modules

For larger programs. Plugs into recessed port on back of PC-2. Modules not expandable.
4K. 26-3615 .... 69.95
8K. 26-3616 .... 139.95

Ready-to-Run PC-2 Software

Personal Finance. 26-3700	19.95
Business Finance. 26-3703	19.95
Games Pak. 26-3702	14.95
Invasion Force. (4K RAM module required.) 26-3705	9.95
Math Pak I. 26-3709	14.95
Math Pak II. 26-3710	14.95
Math Plotter. 26-3711	10.95
NEW! Statistics. 26-3704	29.95
NEW! Pocket Organizer. 26-3706	19.95
NEW! Flight Planning. 26-3707	24.95
NEW! Chemistry Math. 26-3708	14.95
NEW! Investment Analysis. 26-3712	49.95

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GET THE MOST FROM YOUR MODEL 100

Easy-to-Use Bar Code Reader

NEW FOR '84 **99⁹⁵** USE YOUR **Radio Shack CITILINE**

Compatible With Universal Product Code and Other Popular Formats

Model 100 Bar Code Reader. This optical scanning device is expressly for the Model 100 and is ideal for such tasks as billing, couponing and retail-item control. The pen-like wand simply plugs into Model 100's standard bar code reader interface. Software drivers callable from BASIC allow the Model 100 to read the Universal Product Code, 3 of 9, or Plessey bar code formats (other codes will be available soon). Bar code wand contains "soft-touch" push-button switch to conserve power when not in use. 26-1183 . . . 99.95

Decision-Making with Investment Analysis

69⁹⁵ Optimize Your Investment Decisions with This Package of Three Programs

Compute yield to maturity, discount and more with the bonds analysis program. The options trading program charts and graphically displays the effects of strategies, such as Bull or Bear Spreads. Compute discounted or non-discounted commissions with the stock commissioning program. 26-3824 . . . . 69.95

Statistics for Comprehensive Analysis of Data

29⁹⁵ Uses Data Files Stored in Model 100's Memory or on Cassette Tape

Get the statistical information you need! Generate reports for descriptive statistics, frequency distribution and histogram, correlation and regression, time series analysis, multiple regression and one-way and two-way analysis of variance. Includes thorough manual with examples. 26-3825 . . . . 29.95

Calculator for Instant Math Power

19⁹⁵ Performs Financial Calculations, As Well As Regular Functions

Turn your Model 100 into an arithmetic "scratchpad". The basic program performs addition, subtraction, multiplication, division, exponentiation and several extended math functions. A special business program does extended calculations formulated to solve business-related problems. 26-3827 . . . . 19.95

Function Plotter Lets You Graph With Ease

19⁹⁵ Control Plots Directly With Model 100

Graph almost any algebraic function of one or two variables, including planar cartesian, planar polar, three-dimensional cartesian and cylindrical polar. Requires either the CGP-215 or CGP-115 printers, FP-215 printer/plotter or the Multi-Pen Plotter. 26-3834 . . . . 19.95

Compact Model 100 System Briefcase

Attractive and Lightweight Carrying Case

49⁹⁵

This compact briefcase provides plenty of room for your TRS-80 Model 100, CCR-81 Cassette Recorder and cables. 20 × 14 × 4".
26-3809 . . . . 49.95

8K RAM Expansion. Adds 8000 characters of memory. Up to three memory modules may be installed to give you a 32K Model 100. Installation required (not included). 26-3816 . . . . 119.95

AC Adapter. Conserves battery power while at the office or at home. U.L. listed. 26-3804 . . . . 5.95

Track Your Money Flow with Personal Finance

19⁹⁵ Electronically Keeps Track of Your Money with Complete Accuracy

Includes six comprehensive money management programs. Set budgets for account categories of your choice and enter your monthly expenses. Then compare your budgeted figures to the category expense totals (presented in report format). Includes checkbook system to reconcile monthly statements. 26-3822 . . . 19.95

Model 100 BASIC Language Lab

29⁹⁵ Provides a Complete and Easy-to-Understand Tutorial

An easy-to-use tutorial on Model 100 BASIC, with three sample programs. Also covers redefining function keys, automatic execution of BASIC programs, using graphics and sound and more. With examples. 26-3821 . . . . 29.95

Save Time with Executive Calendar

19⁹⁵ Helps You to Manage Your Time More Efficiently and Effectively

A time-management program for busy executives. Display your scheduled appointments or a calendar for any month of any year with a few keystrokes. The program also calculates either days or weekdays between two dates and keeps track of the dates of 17 holidays. 26-3833 . . . . 19.95

Knock 'Em Dead With Starblaze-100!

19⁹⁵ Turns Model 100 Into a Portable Arcade Action Game!

Save the Galaxy! Your mission is to destroy the alien ships being launched by the hostile mother ship. Excellent action graphics allow you to fly your fighter ship across the Model 100 screen as the aliens flee and planets zoom by. 26-3840 . . . . 19.95

Be Prepared with a Model 100 Acoustic Coupler

An "Essential" for Any Traveler

39⁹⁵

Connects your Model 100 to a telephone handset when direct connect to a modular phone jack is not possible. 26-3805 . . . . 39.95

Direct-Connect Modem Cable. Connects Model 100 to a modular phone jack. Includes one free hour (non-prime time) on CompuServe and Dow Jones News/Retrieval. 26-1410 . . . . 19.95

Parallel Printer Cable. Connects Model 100 to any Radio Shack parallel printer. 26-1409 . . . . 14.95

Model 100 Software Described on This Page Requires Cassette Recorder

THE MICRO EXECUTIVE WORKSTATION™

8K Model 100
NEW FOR '84 **799**⁰⁰
As Low As $45 Per Month On CitiLine Credit

24K Model 100
999⁰⁰
As Low As $56 Per Month On CitiLine Credit

- Five Built-In Executive Management Programs ■ Weighs Under 4 lbs.
- Full-Size Typewriter Keyboard ■ Built-In Direct-Connect Modem
- 8-Line by 40-Character Liquid Crystal Display ■ Expandable to 32K

TRS-80® Model 100. So small it'll fit in your in-basket! The Model 100 is a true portable since it runs on batteries or optional AC adapter. And with its five built-in programs, Model 100 is truly revolutionary. Produce correction-free memos, letters and reports with the personal word processing program, TEXT. Editing functions include finding, duplicating, deleting and moving text. With an optional printer, you can print any of your files in selectable widths (up to 132 columns) without splitting words. SCHEDL turns the Model 100 into a mini-database for appointments, expenses, and "to-do's". And file away names, addresses and phone numbers with ADDRSS.

More Built-In Features. With its TELCOM program and built-in auto-dial modem, Model 100 can be used as a terminal for computer-to-computer communications or to access information services like Dow Jones News/Retrieval® or CompuServe®. There's even a program to automatically dial your phone! Programmers will love Model 100's Microsoft® BASIC—an enhanced version of our popular Model III BASIC. You get full string handling, complete file operations, multi-dimension arrays, 14-digit double-precision math operations and more. Separate internal nickel-cadmium batteries retain memory data with power off.

Complete Interface Capability. Connect your Model 100 to any Radio Shack dot-matrix, daisy wheel or graphics printer via the parallel interface. With the RS-232C interface, Model 100 can be connected to another computer—micro, mini or mainframe. The cassette interface lets you save or load programs, data and text at a fast 1500 baud using an optional recorder. You can even interchange text tapes with our new TRS-80 Model 4 (page 22). Requires four "AA" batteries.

8K Model 100. 26-3801 . . . . 799.00
24K Model 100. 26-3802 . . . . . . 999.00

Who is the Model 100 for?

This portable computer provides a convenient workstation for executives, managers, researchers, students—anyone who wants immediate computing power wherever they go. Model 100's compact size, five built-in programs and expansion options give it the versatility to be used at your desk, in the field or on the road. And with the built-in BASIC, you can write programs for your other applications.

Use the TRS-80 Model 100

On Your Desk   **Or on the Go**

Specifications

Microprocessor: 8-bit 80C85 CMOS. **Clock Speed:** 2.4 MHz. **Memory:** 32K ROM; 8 or 24K RAM, expandable to 32K. **Keyboard:** Full-size 56-key typewriter style with embedded 10-key datapad, plus 8 programmable function keys, 4 command keys and 4 cursor control keys. **Display:** 8 × 40 Liquid Crystal Display, upper and lower case ASCII characters, 240 × 64 dot-matrix graphics. **Modem:** Built-in FCC-registered direct-connect modem with auto-dialer. 300 baud. Originate and answer. **Input/Output:** Parallel printer interface. RS-232C serial communications interface programmable up to 19,200 baud. Cassette tape interface loads at 1500 baud. Standard bar-code reader interface. **Dimensions:** 2 × 11⁷⁄₈ × 8¹⁄₂". **Weight:** 3.9 lbs. **Power Supply:** Operations—Up to 20 hours on 4 "AA" alkaline batteries or optional U.L. listed AC power supply. Memory—Internal rechargeable nickel-cadmium batteries will maintain memory intact for up to 30 days with power off (depending on the amount of RAM installed) and are automatically recharged from "AA" batteries or AC power.

ENJOY TOTAL SUPPORT
FROM THE WORLD'S LARGEST COMPUTER RETAILER

TRS-80 microcomputers are supported by over 8800 Radio Shack stores and dealers worldwide. Our "hotline" is staffed with experts ready to answer your questions. Our customers also enjoy the support of our monthly newsletter, packed with the latest in news about the operation, care and maintenance of TRS-80 computers and software. And we offer comprehensive leasing, training and service plans, too. Find out for yourself why so many computer users prefer TRS-80—the best-supported microcomputer in the world.

Radio Shack
A DIVISION OF TANDY CORPORATION

Prices apply at Radio Shack Computer Centers and participating Radio Shack stores and dealers.