

# Dell Computer Corporation Product Catalog Fall/Winter



# Packing the Industry's

## Dell System 325

Productivity. That's the name of the game in today's time-efficient office. The new Dell System 325 has been designed to deliver the speed necessary for optimum productivity. See for yourself: Dell's new 325 provides the best price/performance ratio!

### Process Information up to 20% Faster!

The new Dell System 325 will process your information up to 20% faster than 20MHz 80386-based personal computers due to its 25MHz processor. Other Dell design features make the System 325 one of the fastest 25MHz 386s\* available on the market today.

### Cache Memory Controller Speeds Memory Throughput

The Dell System 325's advanced architecture utilizes an Intel\* 82385-25 Cache Memory Controller, which results in faster system memory throughput. The controller features a 32KB buffer of 25 nanosecond SRAM for zero-wait-state cache access. The 325 also offers 1MB of 32-bit RAM with expansion capabilities of up to 16MB using dynamic RAM (DRAM) Single-Inline-Memory-Modules (SIMMs). The result: immediate access for optimum productivity.

The 325 boasts two additional powerful design features, page mode RAM and interleaved memory. Page mode RAM divides memory cells into pages of 256 cells. The first access to a page generates 1 wait state, while subsequent accesses to the same page are performed at 0 wait states for exceptional speed.

Interleaved memory architecture allows one bank of memory to be accessed while the other bank is recharged. This results in greater performance than that provided by standard memory architectures.

### More Standard Features, Upgrade Capabilities and Sheer Storage

The System 325 offers tremendous flexibility in its storage capabilities. It comes standard with either a 5.25" 1.2MB diskette drive or a 3.5" 1.44MB diskette drive, offering you the option of selecting a media type to fit your individual needs. With its three accessible and five total drive bays, the System 325 also provides support for additional diskette drives or tape back-up devices.

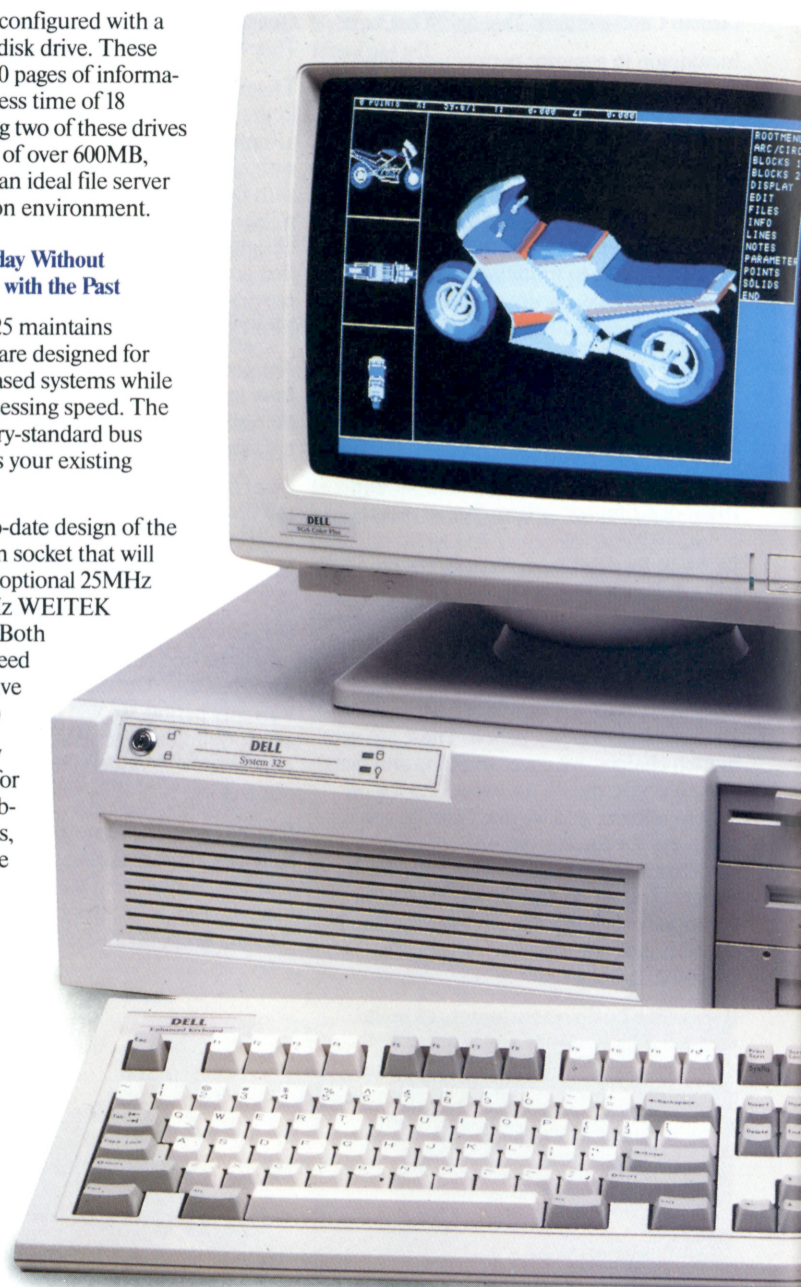
The System 325 can be configured with a 150MB or 322MB hard disk drive. These drives store up to 160,000 pages of information with an average access time of 18 milliseconds! Combining two of these drives yields a storage capacity of over 600MB, making the System 325 an ideal file server for a multiple workstation environment.

### Advanced Computing Today Without Sacrificing Compatibility with the Past

The new Dell System 325 maintains compatibility with software designed for 8086/8088- and 80286-based systems while providing its higher processing speed. The 325 also offers an industry-standard bus architecture that protects your existing hardware investments.

An example of the up-to-date design of the System 325 is the built-in socket that will accommodate either the optional 25MHz Intel 80387 or the 25MHz WEITEK 3167 math coprocessor. (Both drastically increase the speed with which math-intensive applications can be run.)

The speed and flexibility of the 325 make it ideal for use in CAD, desktop publishing, statistical analysis, spreadsheet and database applications.



**"What Dell Computer Corporation is up to may revolutionize the way we buy computers from here on out."**

*Personal Computing*

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800-426-5150

# Fastest Punch!



## Standard Features

- Intel 80386 microprocessor running at 25MHz
- Choice of 1MB† or 4MB of RAM expandable to 16MB using a dedicated high-speed 32-bit memory slot
- Advanced Intel 82385 cache memory controller with 32KB of high-speed static RAM cache
- Page mode interleaved memory architecture
- VGA systems include a high-performance 16-bit video adapter
- Socket for 25MHz Intel 80387 or 25MHz WEITEK 3167 math coprocessor
- 5.25" 1.2MB or 3.5" 1.44MB diskette drive
- Dual diskette and hard disk drive controller
- Enhanced 101-key keyboard

- 1 parallel and 2 serial ports
- 200-watt power supply
- 8 industry-standard expansion slots

## Popular Options:

- 1MB or 4MB memory upgrade kit
- 2MB or 8MB memory expansion board kit
- 25MHz Intel 80387 math coprocessor

†Performance Enhancements: 640KB is available for programs and data. The remaining 384KB is reserved for use by the system to enhance performance.

The Dell System 325 is a FCC Class A device, intended for business use only.

**The Dell System 325 will be available December 1988.**

4MB System 325s available using cost-effective 1MB SIMMS.

## System 325

Systems include all standard features, plus your choice of hard disk drive, monitor and graphics adapter. Made in USA.

Hard Disk Drives	Monitors/Adapters			
	VGA Mono		VGA Color Plus	
	1MB RAM	4MB RAM	1MB RAM	4MB RAM
150MB—18ms, ESDI	\$6,999	\$9,099	\$7,299	\$9,399
322MB—18ms, ESDI	\$8,999	\$11,099	\$9,299	\$11,399

Dell Enhanced MS-DOS® 3.30... 420-1000... \$99.95 (with system purchase)

Dell Enhanced MS-DOS 4.0... 420-1001... \$119.95 (with system purchase)

Dell Enhanced MS®-OS/2 Standard Edition... 420-2000... \$324.95

Lease for as low as \$252/month

# When Speed is

## Dell System 310

In today's competitive marketplace, just having a computer at your side is no guarantee of success. When your productivity depends heavily on your computer, you need the price and performance of Dell's System 310. It will keep you ahead of the pack.

## Faster than IBM or Compaq 20MHz Machines!

It's a fact. The 20MHz Dell System 310 is one of the fastest personal computers available. When tested on accepted standard benchmark programs, the 310 consistently delivered a higher system performance rating than the 20MHz IBM Personal System/2\* Model 70-121 or the Compaq Deskpro\* 386/20e.

When tested against leading 16MHz 80386-based PCs, the Dell System 310 outperformed its competitors by over 60%.♦ The 310's advanced 32-bit architecture and 20MHz processor ensure amazing processing power, making even the most complex applications more time-efficient.

## Completely Compatible

Not only is the Dell System 310 fast, it's accommodating. This racehorse supports an optional 20MHz Intel 80387 math coprocessor or a 20MHz WEITEK 3167 math coprocessor, reducing the time spent on math-intensive applications. With an eye on the present *and* the future, the 310 is 100% compatible with MS OS/2 and MS-DOS. Its power makes it ideal for networking, CAD/CAM, desktop publishing, software development and complex database management as well as demanding general business applications.

The System 310 also provides room for five half-height 5.25" storage devices, three of which can be accessed from the front of the computer. This allows you a great deal of flexibility in selecting hard disk drives, 5.25" and 3.5" floppy drives and tape-backup units.

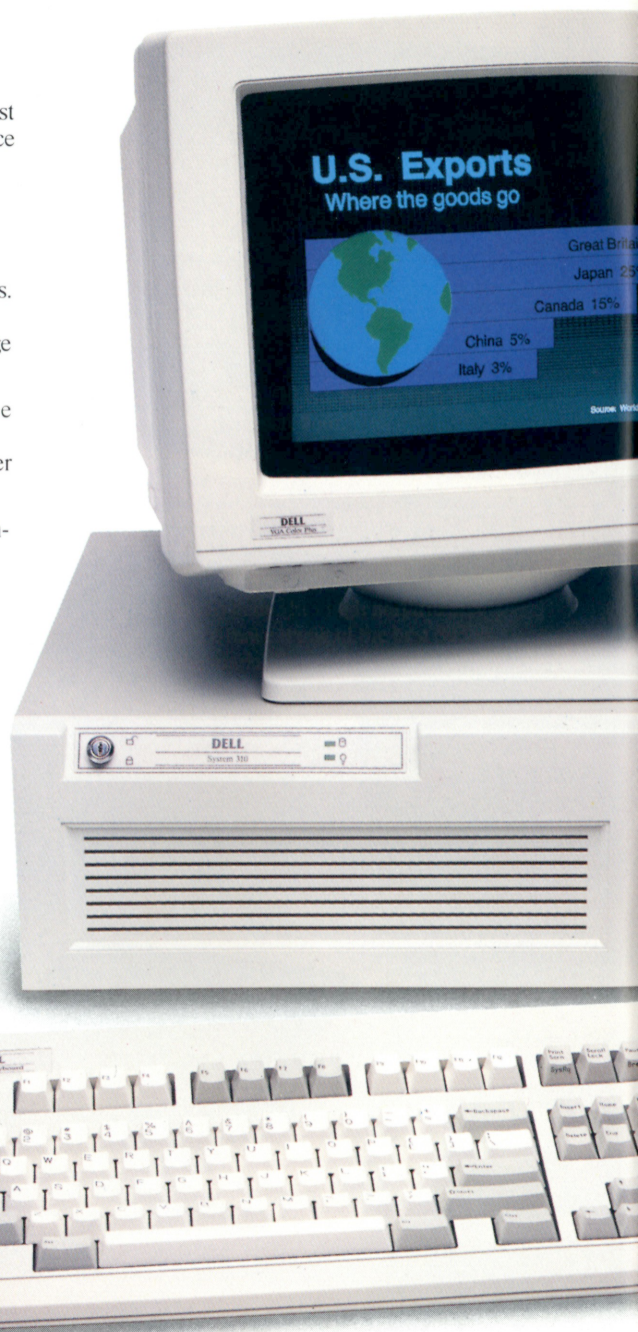
## A Sophisticated Memory System

The Dell System 310 features the same memory architecture as the System 325. The 310's page mode and interleaved memory have been crafted especially for fast memory throughput, providing performance improvements that enable this system to run more than 30% faster than the IBM Model 70-121.

Page-mode RAM is a type of RAM that divides memory cells into pages of 256 cells. The first access to a page uses 1 wait state, while subsequent accesses to the same page are performed with 0 wait states.

Interleaved memory architecture allows one bank of memory to be accessed while the other bank is recharged—resulting in greater system performance.

In addition, the System 310 features a high-speed RAM cache as standard equipment. Controlled by the advanced Intel 82385 Memory Controller, this cache uses 32KB of static RAM running at a blazing 35 nanoseconds with 0 wait states to maximize throughput.



**"The Dell System 310 is...fast enough to burn sand off a desert floor."**  
*PC Magazine*

**"When it comes to processing performance, this machine stands tall next to any 386 tested to date in PC Labs."**  
*PC Magazine*

**"...the Dell System 310's high performance and low price make it one of the best 80386 buys on the market."**  
*PC World*

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# What You Need!



## Standard Features

- Intel 80386 microprocessor running at 20MHz
- Choice of IBM† or 4MB of RAM expandable to 16MB using a dedicated high-speed 32-bit memory slot
- Advanced Intel 82385 cache memory controller with 32KB of high-speed static RAM cache
- Page mode interleaved memory architecture
- VGA systems include a high performance 16-bit video adapter
- Socket for 20MHz Intel 80387 or 20MHz WEITEK 3167 math coprocessor

- 5.25" 1.2MB or 3.5" 1.44MB diskette drive
- Dual diskette and hard disk drive controller
- Enhanced 101-key keyboard
- 1 parallel and 2 serial ports
- 200-watt power supply
- 8 industry-standard expansion slots

## Popular Options:

- 1MB or 4MB memory upgrade kit
- 2MB or 8MB memory expansion board kit
- 20MHz Intel 80387 math coprocessor

†Performance Enhancements: 640KB is available for programs and data. The remaining 384KB is reserved for use by the system to enhance performance.

◆Power Meter 1.3 Benchmark test results compared to IBM and Compaq products.



Now Available  
4MB System 310s using cost-effective  
1MB SIMMS.

Systems include all standard features, plus your choice of hard disk drive, monitor and graphics adapter. Made in USA.

## System 310

Hard Disk Drives	Monitors/Adapters			
	VGA Mono		VGA Color Plus	
	1MB RAM	4MB RAM	1MB RAM	4MB RAM
40MB—28ms	\$4,099	\$6,199	\$4,399	\$6,499
90MB—18ms, ESDI	\$4,899	\$6,999	\$5,199	\$7,299
150MB—18ms, ESDI	\$5,399	\$7,599	\$5,699	\$7,899
322MB—18ms, ESDI	\$7,399	\$9,599	\$7,699	\$9,899

Dell Enhanced MS-DOS 3.30... 420-1000... \$99.95 (with system purchase)

Dell Enhanced MS-DOS 4.0... 420-1001... \$119.95 (with system purchase)

Dell Enhanced MS-OS/2 Standard Edition... 420-2000... \$324.95

Lease for as low as \$148/Month

# The Most Powerful

## Dell System 220

Featuring a compact, highly integrated design, Dell's 80286-based System 220 is incredibly powerful—and so sleek. The 220 shatters the myth that the bigger the box, the better the system. To prove it, Dell offers a 100MB internal hard disk drive.

The system comes standard with a 3.5" diskette drive, but is also equipped to support an optional 5.25" external disk drive for additional flexibility and convenience.

## Twice as Fast as IBM

In a class all its own, the 20MHz System 220 processes information *nearly twice as fast* as the IBM PS/2 Model 50z and runs OS/2 even *faster* than the 386-based IBM PS/2 Model 80!

When tested against the IBM PS/2 Model 60, Dell's compact prizefighter not only ran twice as fast, but cost *35% less!* A true champion, the Dell System 220 is one of the only 80286-based PCs that runs at 20MHz. The 220's 80286 microprocessor processes data at 16 bits per CPU cycle, improving upon 8-bit technology by leaps and bounds!



## 100% Compatible for the Most Complex Needs

Compatible with industry standards, the 220 is a system that accommodates your most complex processing needs.

It supports applications ranging from complex database management, spreadsheet analysis and networking to desktop publishing and CAD/CAM. The 220 also accommodates an Intel 80287 math coprocessor, rivaling the giants in its ability to put math-intensive 3-D graphics and statistical applications right at your fingertips! For these applications, the 80287 coprocessor offers a substantial increase in performance over base systems without coprocessors.

## The 220 Memory—Built for Speed

The 220's memory architecture features RAM expansion from the standard 1MB up to 16MB.

In addition, Dell has equipped the 220 with the same page mode and interleaved memory as the System 325 and 310 that provides *less than 1 wait state* operation. Page-mode RAM is a type of RAM that divides memory cells into pages of 256 cells; the first access to a page uses 1 wait state, while subsequent accesses to the same page are performed with 0 wait states. Interleaved memory architecture allows one bank of memory to be accessed while the other bank is recharged—resulting in greater system performance. The result: extra-fast processing.

## It's Reliable and Convenient

Especially crafted for convenience, this dynamo features a video graphics array (VGA) video controller, hard disk interface, diskette drive controller and a parallel and two serial ports built directly into the system board. This cuts down on your need for expansion slots and frees up all available slots for future expansion.



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# Workstation of Its Class!



## Standard Features

- 80286 Microprocessor running at 20MHz
- 1MB of RAM† expandable to 16MB‡ (8MB‡ on system board)
- Page mode interleaved memory architecture
- Integrated diskette and VGA video controller on system board
- Integrated high-performance hard disk interface on system board
- Socket for Intel 80287 math coprocessor
- One 3.5" 1.44MB diskette drive
- Enhanced 101-key keyboard
- 1 parallel and 2 serial ports (integrated on system board)
- 3 full-sized industry-standard expansion slots available

## Popular Options:

- External 5.25" 1.2MB diskette drive
- 3.5" 1.44MB diskette drive
- 1MB RAM upgrade kit
- Intel 80287 math coprocessor

†Performance Enhancements: 640KB is available for programs and data. The remaining 384KB is reserved for use by the system to enhance performance.

‡Using 1MB SIMMs. Inquire as to availability.

"The Dell System 220 runs most PC Labs' benchmark tests at speeds that would make you think you're running a 386."

*PC Magazine*

"Dell's (other systems) are star performers, but the 20MHz, 80286-based System 220 gets top billing."

*PC World*

Systems include all standard features, plus your choice of hard disk drive and monitor. Made in USA.

## System 220

Disk Drives	Monitors/Adapters	
	VGA Mono	VGA Color Plus
3.5" 1.44MB Diskette Drive	\$2,299	\$2,599
40MB—29ms	\$2,999	\$3,299
100MB—29ms	\$3,799	\$4,099

Dell Enhanced MS-DOS 3.30... 420-1000... \$99.95 (with system purchase)

Dell Enhanced MS-DOS 4.0... 420-1001... \$119.95 (with system purchase)

Dell Enhanced MS-OS/2 Standard Edition... 420-2000... \$324.95

Lease for as low as \$85/Month

# The Industry Leader

## Dell System 200

It's difficult to make a good thing better. But Dell did it. The Dell System 200 has *expanded* on the original Dell 286 system, creating a *faster*, remarkably *more affordable* computer that features the best price/performance available in 286 technology. And best of all, the 200 costs nearly *35% less* than competitive products!

## Up to 30% Faster than IBM

True to the Dell product line, the 200 is a versatile performer whose powerful 80286 microprocessor runs up to *30% faster than an IBM PS/2 Model 50*. Its speed, coupled with its MS-DOS and Dell MS OS/2 compatibility, makes the 200 one of the finest values in its price range.

## Increase Your Productivity

The Dell System 200 dramatically outperforms 8-bit microprocessors. The 80286 microprocessor's 16-bit architecture *slashes time spent on complex applications!*

And operating at 12.5MHz, the 200 promises greater performance in terms of speed, plus mass storage expansion of up to 322MB for greater convenience.

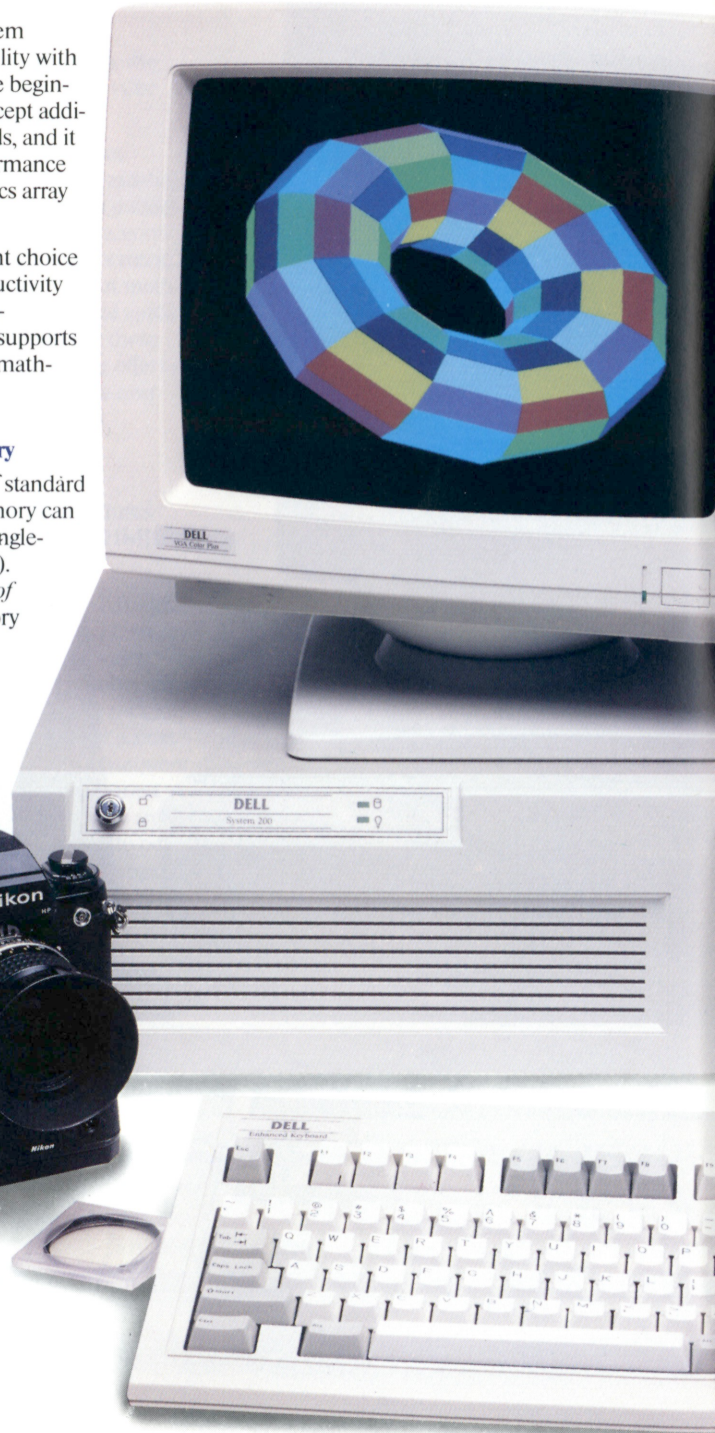
## Designed for Expansion

You won't find a more *flexible* system than the System 200. Its compatibility with MS-DOS and MS OS/2 is only the beginning! The 200's system unit will accept additional peripheral and interface cards, and it is also compatible with high-performance communications and video graphics array (VGA) options.

The Dell System 200 is an excellent choice for everything from personal productivity tasks to complex network and data-intensive applications. And it also supports an optional 80287 coprocessor for math-intensive applications.

## Expandable—Up to 16MB of Memory

The System 200 features 640KB of standard RAM on its system board. Its memory can be expanded to 4.6MB by using Single-Inline-Memory-Modules (SIMMs). Additional memory—*up to a total of 16MB*—is also attainable via memory expansion boards.



"The System 200 performs well and is backed by an exceptional support plan and high-quality technical support. We consider it a very good value."

*InfoWorld*

"The System 200 is an up-to-date, high-performance system."

*BYTE*

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# for Price/Performance!



### Standard Features

- 80286 microprocessor running at 12.5MHz
- 640KB of RAM, expandable to 16MB† (4.6MB† on system board)
- Socket for Intel 80287 math coprocessor
- 5.25" 1.2MB or 3.5" 1.44MB diskette drive
- Dual diskette and hard disk drive controller
- Enhanced 101-key keyboard
- 1 parallel and 2 serial ports
- 200-watt power supply
- 6 industry-standard expansion slots

### Popular Options:

- 512KB RAM upgrade kit
- Intel 80287 math coprocessor

†Using 1MB SIMMs. Inquire as to availability.

Systems include all standard features, plus your choice of hard disk drive, monitor and graphics adapter. Made in USA.

### System 200

Hard Disk Drives	Monitors/Adapters		
	Monochrome	VGA Mono	VGA Color Plus
20MB	\$2,099	\$2,299	\$2,599
40MB—40ms	\$2,299	\$2,499	\$2,799
40MB—28ms	\$2,499	\$2,699	\$2,999
90MB—18ms ESDI	\$3,299	\$3,499	\$3,799
150MB—18ms ESDI	\$3,799	\$3,999	\$4,299
322MB—18ms ESDI	\$5,799	\$5,999	\$6,299

Dell Enhanced MS-DOS 3.30... 420-1000... \$99.95 (with system purchase)

Dell Enhanced MS-DOS 4.0... 420-1001... \$119.95 (with system purchase)

Dell Enhanced MS-OS/2 Standard Edition... 420-2000... \$324.95

Lease for as low as \$99/Month

# Premier Peripherals

## A. Graphics Adapters

**VGA.** The VGA-Compatible Graphics Adapter exactly duplicates the function of and exceeds the capability of the Video Graphics Array (VGA) built into the IBM PS/2 family. Maximum resolution is increased to 800 x 600 with a multi-frequency monitor.

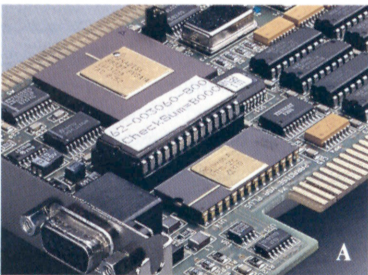
**320-2200** VGA-Compatible Graphics Adapter **\$299.95**

**EGA.** The Enhanced Graphics Adapter (EGA) puts all the functionality of the IBM enhanced graphics adapter, IBM color graphics adapter and Hercules graphics card on one half-size card. Text and graphics are viewed in a resolution of up to 640 x 350, with 16 colors available simultaneously.

**320-2100** Enhanced Graphics Adapter **\$199.95**

**CGA/Monochrome.** The CGA/Monochrome Graphics Adapter is compatible with the IBM color graphics adapter, the IBM monochrome display adapter and the Hercules\* graphics card. In monochrome mode, this half-size card provides 720 x 350 resolution (720 x 348 resolution for Hercules).

**320-2001** Combination CGA/Monochrome Graphics Adapter **\$99.95**



**C. VGA Color Monitor.** Get all the color and VGA capability of the VGA Color Plus...at a breakthrough price! An economical .41mm-dot-pitch CRT is the secret to the outstanding value in Dell's VGA Color Monitor and the only difference between it and the VGA Color Plus.

**320-1301** VGA Color Monitor **\$399.95**

**D. VGA Monochrome Monitor.** Need to see text and graphics as they will appear on paper? Dell's 12" VGA Monochrome Monitor utilizes a "paper-white" phosphor, nonglare, tinted screen that is ideal for word processing and desktop publishing. Displaying up to 64 shades of gray, the monitor is fully compatible with all VGA modes.

**320-1200** VGA Monochrome Monitor (Paper White) **\$199.95**

**E. EGA Color Monitor.** Clarity. That's the final word on Dell's EGA Color Monitor. Its 14" nonglare screen clearly displays text and graphics in 16 vibrant colors (from a palette of 64) with sharp, 640 x 350 resolution. The EGA Color Monitor is fully compatible with the Dell Enhanced Graphics Adapter (EGA) and other IBM EGA compatible cards.

**320-1100** EGA Color Monitor **\$599.95**

**F. Monochrome Monitor.** The Dell Monochrome Monitor is a 12" TTL monitor with an etched-surface, nonglare screen and medium-persistence phosphor that eliminates annoying CRT flicker. The cost-effective display is compatible with the Dell CGA/Monochrome Graphics Adapter, the IBM Monochrome Display Adapter and the Hercules Graphics Card.

**320-1103** Amber-Monochrome Monitor **\$149.95**



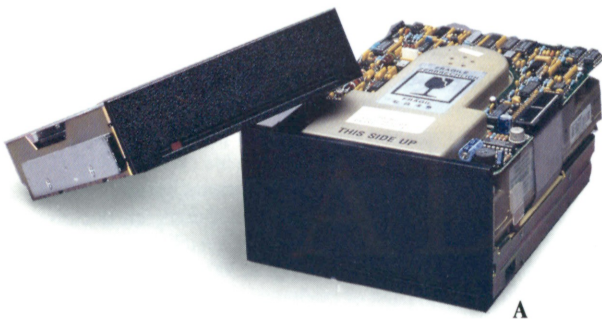
**B. VGA Color Plus Monitor.** If you want a color display of the highest quality, the Dell VGA Color Plus is the monitor you need. The nonglare 14" screen has a maximum resolution of 720 x 400 in text mode and 640 x 480 in graphics mode. And the monitor's analog capability gives it virtually an *infinite* number of colors to display: 256 simultaneously from a palette of 262, 144 at a resolution of 320 x 200 pixels; at 640 x 480 resolution, the number of simultaneous colors is 16. The fine .31mm dot pitch provides extraordinarily sharp on-screen images. Compatible with the Dell VGA Compatible Graphics Adapter as well as the IBM PS/2 Video Graphics Array.

**320-1302** VGA Color Plus Monitor **\$499.95**

# A Driving Force

**A. Hard Disk Drives.** Dell Computer Corporation offers a complete line of hard disk drives with a wide range of interface and performance options and the highest levels of quality and reliability. Even the most basic business applications are enhanced with the economical 20 and 40MB models, while applications that require more information quickly, benefit from the 28ms access times of the fast 40MB drives. For applications that demand vast amounts of information in an instant, high-performance ESDI drives such as our 90, 150 and 322MB models are perfect solutions.

System	Description	Order No.*	Price
200	20MB 65ms ST506	340-1015	\$ 369.95
	40MB 40ms ST506	340-1010	\$ 499.95
	40MB 28ms ST506	340-1005	\$ 699.95
	90MB 18ms ESDI	340-1041	\$1,399.00
	150MB 18ms ESDI	340-1007	\$1,999.00
220	322MB 18ms ESDI	340-1043	\$3,999.00
	40MB 29ms IDE	340-1040	\$ 699.95
	100MB 29ms IDE	340-1042	\$1,599.00
310	40MB 28ms ST506	340-1005	\$ 699.95
	90MB 18ms ESDI	340-1041	\$1,399.00
	150MB 18ms ESDI	340-1007	\$1,999.00
	322MB 18ms ESDI	340-1043	\$3,999.00
325	150MB 18ms ESDI	340-1007	\$1,999.00
	322MB 18ms ESDI	340-1043	\$3,999.00

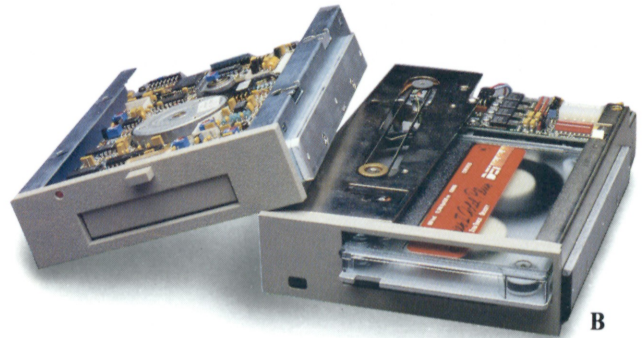


A

**B. Tape Drives.** No hard disk system is complete without the data security of a tape backup device. Dell Computer Corporation has drives with different capacities and performance for a wide range of applications. The 40MB internal tape drive interfaces with the floppy disk controller providing the most economical solution. The same drive is available in an external configuration that uses an adapter card in the system. Multiple users can be supported with one tape drive by installing an adapter card in each computer. To back up hard disks with capacities of 90MB or more, the 150MB tape drive provides the storage and performance necessary to make the job more efficient. This high-performance drive includes a QIC-02 controller for much faster data transfer and shorter backup times. All tape drives from Dell come complete with easy-to-use tape backup software.

System	Description	Order No.*	Price
200, 310 325	40MB internal <sup>1</sup>	340-2003	\$399.95
	40MB internal w/adapter <sup>2</sup>	340-2006	\$469.95
	40MB external w/adapter	340-2004	\$499.95
	150MB internal w/adapter	340-2005	\$899.95
220	40MB adapter only (external) <sup>3</sup>	340-1108	\$ 79.95
	40MB external w/adapter <sup>4</sup>	340-2010	\$499.95
	40MB adapter only (external) <sup>3,4</sup>	340-2012	\$ 79.95

Notes: <sup>1</sup>Use when adding 40MB tape to system with only one floppy drive  
<sup>2</sup>Use when adding 40MB tape to system with two floppy drives  
<sup>3</sup>Includes all internal cables  
<sup>4</sup>Includes System 220 specific cables

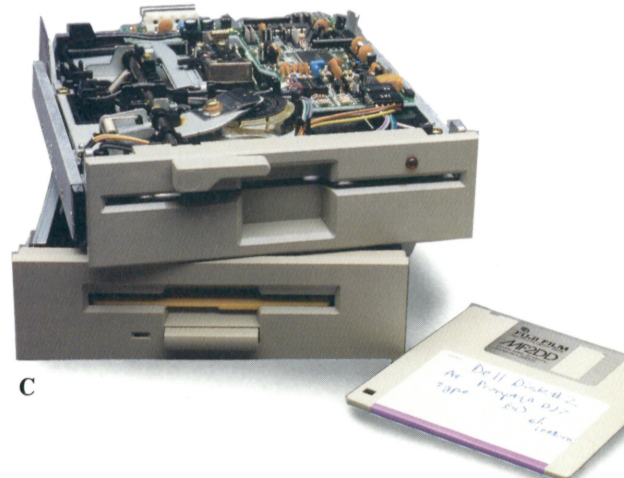


B

**C. Diskette Drives.** To meet the requirement for absolute data interchangeability, Dell Computer Corporation has diskette drives that conform to all the PC standards. The line includes 5.25" and 3.5" models. The higher capacity drives have the ability to read and write in the lower density formats for a high degree of compatibility with earlier standards. Add both to your system for convenience and compatibility with old and new diskette standards.

System	Description	Order No.*	Price
200, 310 325	5.25" 360KB	340-3007	\$149.95
	5.25" 1.2MB	340-3006	\$199.95
	3.5" 1.44MB in 5.25" form factor	340-3009	\$199.95
220	3.5" 1.44 MB	340-3015	\$199.95
	External 5.25" 1.2MB	340-3030	\$279.95

\*These numbers correspond to storage devices installed by DELL before leaving the factory. If you are ordering a device you intend to install, please call the sales line and one of our representatives will provide you with correct order information.



C

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# Price/Performance



**A. Laser System 150.** This high-speed laser printer is essential in today's office networks and high-volume workstations. Dell Computer Corporation serves up a second generation series of laser printers that meld easily with most application software packages. The Laser System 150 with 1.5MB of standard memory is ideal for the printing needs of large computing systems, producing 15 pages per minute and a monthly duty cycle of 20,000 pages. Dual 250-page input trays provide for a 500-sheet output capability. Achieve quantity *and* quality: full-page, high-resolution graphics; landscape and portrait orientations; unlimited mixed text and graphics per page; 31 standard type fonts; and four standard printer emulations, including HP LaserJet\* Plus. The Laser System 150 offers superb performance at a great price.

**330-2201 Laser System 150 \$5,995.00**

**B. Laser System 80.** There is no need to slow down for graphics applications with the Laser System 80. Get 100% full-page 300 x 300 dots-per-inch resolution text or graphics in portrait or landscape modes. This laser is rated at eight pages per minute and has a 250-page paper handling capability. The Laser System 80 is well-suited to high-volume workstations or office network applications. Say "Yes!" to 1.5MB of standard memory, 31 standard fonts and four standard printer emulations. The monthly duty cycle, 10,000 pages, and the expected life cycle, 600,000, make this laser printer a reliable part of your computer system. *Compatibility?* The Laser System 80 protects your current software investment. It has standard multiple interface connections with the ability to talk to RS-232 and parallel systems. And the price-to-performance ratio says a lot, too.

**330-2101 Laser System 80 \$3,295.00**

**C. Laser System 60.** This personal-size laser printer from Dell Computer Corporation performs functions often found only in larger, more expensive printers. Combine *delivery* and *durability*—six pages per minute with a monthly duty cycle rating of 3,000 pages and a life cycle of 180,000. The 1.5MB of standard memory, four standard printer emulations, 31 standard type fonts and optional cartridge fonts ensure complete document design flexibility. Like all Dell printers, the Laser System 60 features graphics quality second to none: 100% full page at 300 x 300 dots-per-inch resolution printed in either portrait or landscape format with full bit-map fonts and graphics. It has standard multiple interface connections with the ability to talk to RS-232 and parallel systems. Laser-sharp clarity at a provocative price.

**330-2001 Laser System 60 \$2,195.00**

**D. Laser Printer Supplies. (not shown)**

330-2003	Toner Kit For Laser System 60	\$29.95
330-2102	Toner Kit For Laser System 80 and 150	\$99.95
330-2004	OPC Kit For Laser System 60	\$249.95
330-2103	OPC Kit For Laser System 80	\$249.95
330-2202	OPC Kit For Laser System 150	\$249.95
330-2005	Cleaning Cartridge Kit For Laser System 60	\$119.95

**E. Printer Cable. (not shown)**

310-2034	Parallel Printer Cable	\$9.95
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## Laser Printer Typestyles

Model No.	Typeface	Sample
Systems 60, 80, 150	Courier 12 point	ABCDEFGHIJKLMN <strong>OP</strong> QRSTUVWXYZ abcdefghijklmnopqrstu <strong>vw</strong> xyz1234567890
System 60	Courier Bold 12 point	<b>ABCDEFGHIJKLMN<strong>OP</strong>QRSTUVWXYZ</b> <b>abcdefghijklmnopqrstu<strong>vw</strong>xyz1234567890</b>
Systems 60, 80, 150	Helvetica Bold 14 point	<b>ABCDEFGHIJKLMN<strong>OP</strong>QRSTUVWXYZ</b> <b>abcdefghijklmnopqrstu<strong>vw</strong>xyz1234567890</b>
Systems 60, 80, 150	Line Draw 8.5 point	ABCDEFGHIJKLMN <strong>OP</strong> QRSTUVWXYZ abcdefghijklmnopqrstu <strong>vw</strong> xyz1234567890
Systems 60, 80, 150	Times Roman 8 point	ABCDEFGHIJKLMN <strong>OP</strong> QRSTUVWXYZ abcdefghijklmnopqrstu <strong>vw</strong> xyz1234567890
Systems 60, 80, 150	Times Roman 10 point	ABCDEFGHIJKLMN <strong>OP</strong> QRSTUVWXYZ abcdefghijklmnopqrstu <strong>vw</strong> xyz1234567890
Systems 60, 80, 150	Times Roman Bold 10 point	<b>ABCDEFGHIJKLMN<strong>OP</strong>QRSTUVWXYZ</b> <b>abcdefghijklmnopqrstu<strong>vw</strong>xyz1234567890</b>
Systems 60, 80, 150	Times Roman Italic 10 point	<i>ABCDEFGHIJKLMN<strong>OP</strong>QRSTUVWXYZ</i> <i>abcdefghijklmnopqrstu<strong>vw</strong>xyz1234567890</i>

All three Dell laser printers have the following emulations: HP LaserJet Plus, IBM Proprinter, Diablo 630 and Epson FX/80.

### Font Cartridges:

330-2301	"F" Font Cartridge	\$149.95
330-2302	"G" Font Cartridge	\$149.95
330-2303	"T" Font Cartridge	\$149.95
330-2304	"R" Font Cartridge	\$149.95

### Emulation Cartridges:

330-2002	7475A HPGL Cartridge for Laser 60	\$159.95
330-2105	7475A HPGL Cartridge for Laser 80	\$159.95
330-2204	7475A HPGL Cartridge for Laser 150	\$159.95

## Dot Matrix Printer Typestyles

Model No.	Typeface	Sample
System 300	Draft Quality Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]{};':",./<>?
	Near Letter Quality Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]{};':",./<>?
	Condensed Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]{};':",./<>?
System 600	Draft Quality Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]\{};':",./<>?
	Near Letter Quality Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]\{};':",./<>?
	Condensed Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]\{};':",./<>?
System 800	Draft Quality Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]\{};':",./<>?
	Correspondence Quality Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]\{};':",./<>?
	Letter Quality Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]\{};':",./<>?
	Condensed Mode	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz `1234567890 -=~!@#%&^*()_+[]\{};':",./<>?

### Cartridges for Printer System 800:

330-1405	Bold/Orator	\$ 49.95
330-1406	Script/Gothic	\$ 49.95
330-1407	Sanserif/Square	\$ 49.95
330-1404	Epson Emulation Cartridge	\$109.95

# Winners in Printers

The bywords of the Dell dot matrix printer systems are *speed, security and reliability*. Our systems protect your software investment by emulating the most popular printers supported by today's software—IBM, Epson,\* Toshiba\* and Diablo\*.

**A. Printer System 800.** Get outstanding print quality from this top-of-the-line, wide-carriage, 24-pin printer. Three print modes are available: 200 cps for draft mode; 132 cps for correspondence quality text; 66 cps for true letter-quality printing. This printer produces 136 columns at 12 cpi or 244 columns at 18 cpi, making as many as three copies simultaneously. Paper handling capabilities include standard friction or built-in adjustable push tractor for forward and reverse paper feed.

Toshiba, Diablo and Qume\* emulations are standard with an optional emulation card available to ensure Epson and IBM compatibility.

The Printer System 800 comes standard with serial and parallel interfaces. Address all your specific printing requirements, including dozens of font and type styles, with lighted soft-touch front panel switches. And this printer has a 24KB print buffer to keep waiting time to a minimum.

The Printer System 800 is designed for high-quality text and graphics printing for applications demanding high throughput and quality. If you seek superior performance at a reasonable price, look no further...the Dell Printer System 800 is your ideal choice.

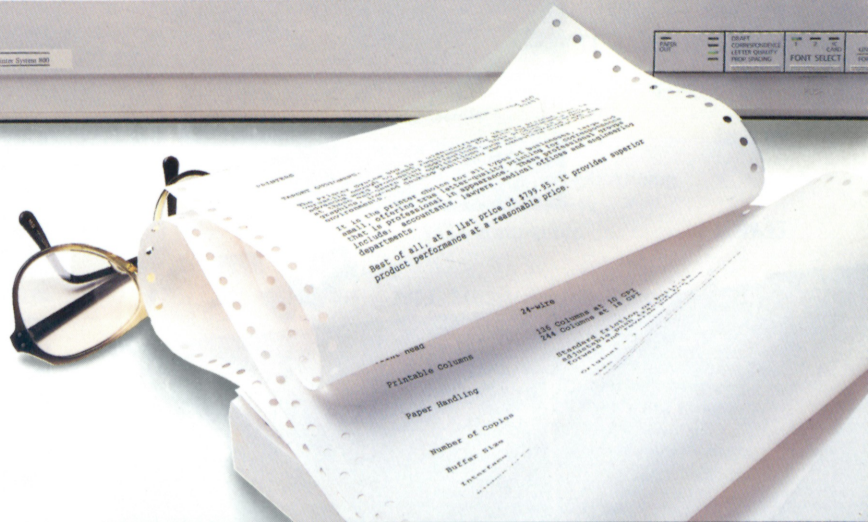
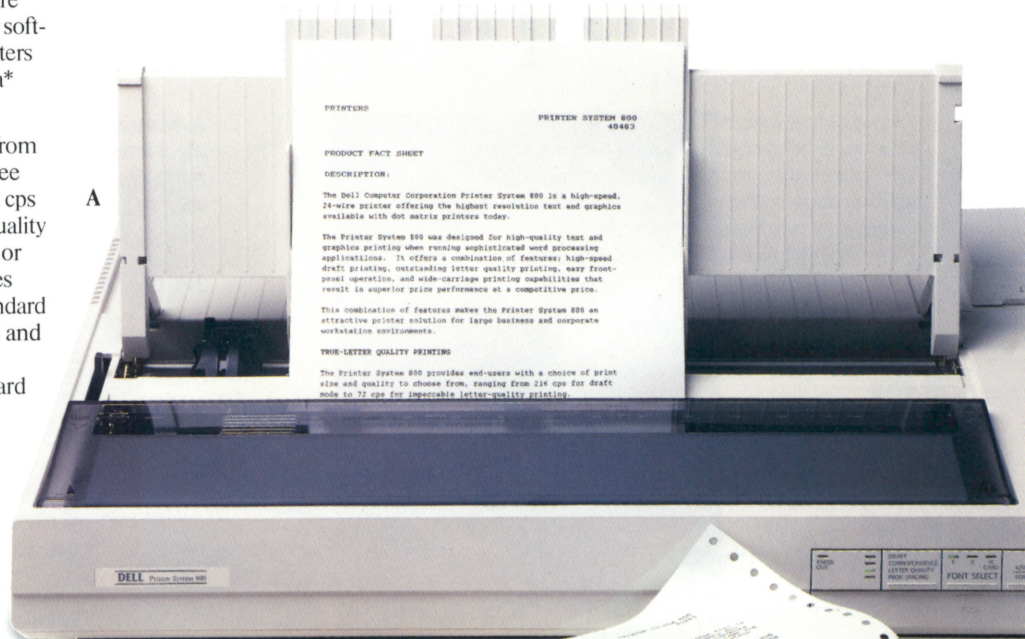
330-1401	Printer System 800	\$699.95
330-1403	Automatic Sheet Feeder	\$289.95
330-1402	Printer Ribbon Cartridge	\$14.95

**B. Printer System 600.** Need to accelerate your productivity? This nine-pin, wide-carriage (136 column) printer is ideal for accounting, financial and word processing applications in the business environment. Get high-speed draft printing at 240 cps and near-letter-quality printing at 60 cps. A 12KB print buffer comes standard. The Dell Printer System 600 is the printer of choice for 1-2-3,\* Quattro,\* SuperCalc\* or other popular spreadsheets. Compatibility worries are alleviated, since it offers Epson, IBM Graphics and IBM Proprinter\* emulations to perform flawlessly with a broad range of software programs.

330-1301	Printer System 600	\$499.95
330-1305	Automatic Sheet Feeder	\$239.95
330-1304	Printer Ribbon Cartridge	\$14.95

**C. Printer System 300.** Customers demanding versatility and value in an entry-level printer will be delighted with the Dell Printer System 300, whether it is used at home, in school or at the office. This nine-pin dot matrix printer offers speed—144 cps for draft printing and 36 cps for high-resolution, near-letter-quality output. This narrow-carriage (80 column) printer is feature-rich: An easy-to-use front panel selection to confirm one of four standard font styles and five print pitches; one of the largest buffers in its product class—4KB; and a "paper park" feature for single sheet capability. Simply flip a lever to go from tractor feed (fanfold) to automatically load single sheets...without removing the fanfold! All these features increase your printing productivity.

330-1201	Printer System 300	\$199.95
330-1203	Printer Cassette Ribbon	\$6.95



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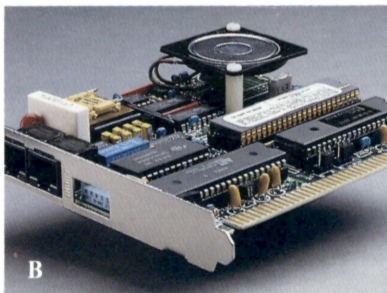
800-426-5150

# Boost performance and productivity.



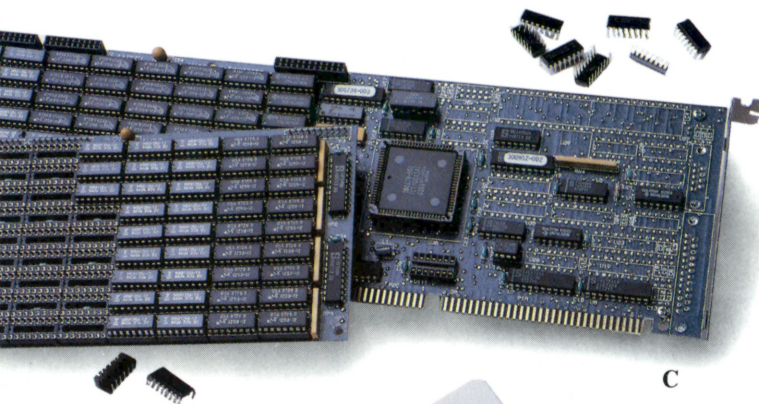
**A. Mouse.** You get optomechanical technology—optical encoding plus mechanical tracking—for maximum precision, durability and long-term reliability. The Serial Mouse has high—200 dots per inch—resolution standard and features excellent tracking on most work surfaces. Completely Microsoft® Mouse compatible. With paint program software, the Dell Mouse has two buttons and a comfortable, easy-to-hold shape.

**310-2005** Serial Mouse (9 pin) **\$59.95**



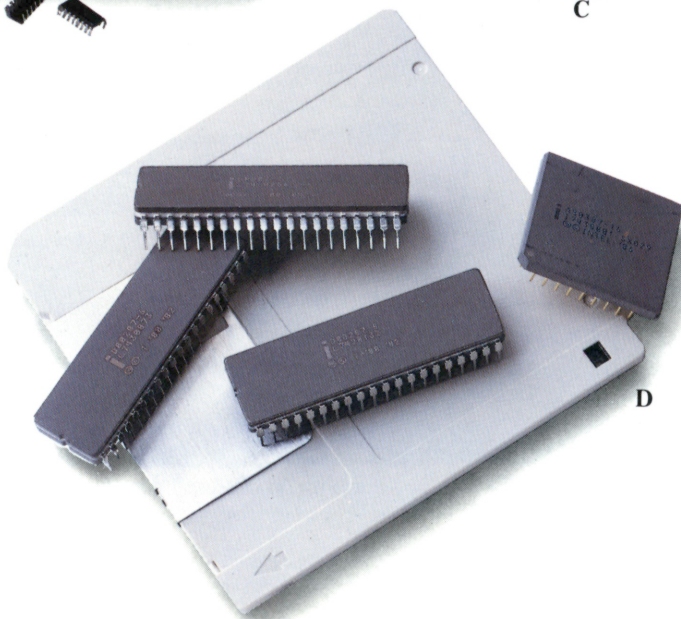
**B. Modems.** Sending and receiving is the “give and take” of the Information Age. Dell internal modems efficiently transmit data, text and graphics, whether it is across the office or across the nation. Transmit to a variety of devices as the modems dynamically adjust to line quality variances during transmissions. Both modems are fully Hayes\*-compatible, with rotary and Touch-Tone\* phones, and feature auto answering, autodialing and redialing.

**310-2079** 2400-Baud, Internal Modem **\$199.95**  
**310-2003** 1200-Baud, Internal Modem **\$99.95**



**C. Memory Boards.** Dell has the newest release of the Lotus\*/Intel/ Microsoft Expanded Memory Specification allowing software applications to access memory above 640KB of RAM. Get the benefit of placing program code and data in expanded memory. With our boards you get more conventional memory for other programs, much faster switching among multiple applications, faster execution with Windows applications and the ability to handle emerging applications. You also can use our boards with MS OS/2. Many applications currently take advantage of increased memory.

**310-2017** Expanded Memory Board 512KB standard, expandable to 2MB, LIM 4.0 compatible **\$599.95**  
**310-2018** Piggy Back Board for Expanded Memory Board, 512KB standard, expandable to 2MB **\$549.95**  
**310-2100** 512KB RAM Upgrade for Expanded Memory and EMS Piggy-Back Boards **\$549.95**

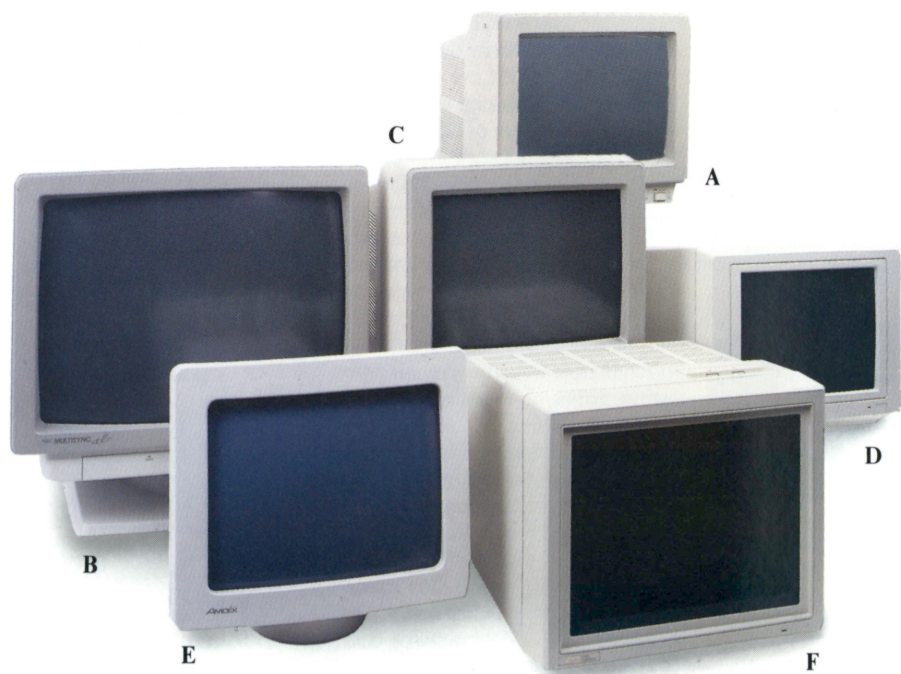


**D. Coprocessors.** Looking for a cost-effective performance boost? Many programs can run 10% to 500% faster with math coprocessors from Dell. More accomplished; less time. The heavier the number crunching, i.e. the more floating point arithmetic, the more impressive the performance gains. The advantages quickly add up whether you use spreadsheets, databases, computer-aided design or other kinds of scientific, engineering and graphics applications. Because every Dell system has a built-in socket reserved for a math coprocessor chip, all you need to do is plug it in and start computing.

**310-2094** Intel 8087-2 **\$249.95**  
**310-2095** Intel 80287-8 (System 200) **\$399.95**  
**310-2096** Intel 80287-10 (System 220) **\$479.95**  
**310-2097** Intel 80387-20 (System 310) **\$799.95**  
**310-2205** Intel 80387-25 (System 325) **\$999.95**



# Enhancement Products: Amdek to Zenith



Dell Computer Corporation is committed to providing the highest quality system solutions and is proud to offer enhancement products from other leaders in the industry. These specialty products such as high-performance, error-correcting modems, very high-resolution monitors, and a video adapter serve to complete the system for certain applications.

## Monitors:

<b>A. 320-1402</b>	NEC* Multisync II, 14" (13v), 800 x 560	<b>\$799.95</b>
<b>B. 320-1404</b>	NEC Multisync XL, 20" (19v), 1024 x 768	<b>\$2,999.00</b>
<b>C. 320-1403</b>	NEC Multisync Plus, 15" (14v), 960 x 720	<b>\$1,199.00</b>
<b>D. 320-1001</b>	Amdek* 410A, TTL Amber, 12"	<b>\$229.95</b>
<b>E. 320-1500</b>	Amdek 1280 White Phosphor, 15" w/Graphics Card Max res. 1280 x 800	<b>\$899.95</b>
<b>F. 320-1303</b>	Zenith* ZCM-1490 Analog Flat Tension Mask, VGA compatible	<b>\$899.95</b>

## Not pictured:

<b>320-1405</b>	NEC Multisync* GS, Paper White, 14" (13v), 800 x 560	<b>\$249.95</b>
<b>320-1410</b>	NEC Multisync Video Adapter MVA 1024 640 x 480, 960 x 720 1024 x 768 resolutions	<b>\$1,299.00</b>

## G. Modems:

### Hayes Modems

<b>310-2087</b>	Smartmodem* 2400, External	<b>\$599.95</b>
<b>310-2088</b>	Smartmodem 2400B, Internal w/Smartcomm II	<b>\$599.95</b>
<b>310-2089</b>	Smartmodem 2400B, Internal, Hardware only	<b>\$549.95</b>
<b>310-2090</b>	Smartmodem 1200, External	<b>\$399.95</b>
<b>310-2091</b>	Smartmodem 1200B, Internal w/Smartcomm II	<b>\$399.95</b>
<b>310-2092</b>	Smartmodem 1200B, Internal, Hardware only	<b>\$349.95</b>

### Telebit Modem

<b>310-1069</b>	Trailblazer Plus 2400B, External	<b>\$1,245.00</b>
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# Amazing things can happen when you work together.



Dell Computer Corporation and 3Com\* have joined forces to improve the productivity of commerce and industry.

Our combined vision of total networking increases workgroup interaction and productivity through use of high-performance Dell computer systems and 3-COM network components. 3-COM is the leader in DOS-based networking solutions, and this leadership will continue with the emergence of OS/2 as the primary network operating system. 3-COM's OS/2 network solution is based on joint development of OS/2 LAN Manager with Microsoft and ensures compatibility for customers of today's 3+ network operating system.

*Solutions.* 3+\* increases user productivity and decreases learning curves with menus that take the "work" out of networking. Information and peripheral sharing can be accomplished quickly, as well as access to network commands, DOS utilities and applications.

*Growth.* 3Com has the products to fill your network needs from two to 200 nodes. 3+Networks can grow by adding new services to existing servers, adding new servers, interconnecting remote networks and bridging adjacent networks. For example, 3+TurboShare improves network performance and extends support for larger disks on the server. 3+Start allows diskless workstations to be booted across the network, and 3+Share supports enhanced features such as electronic mail, remote communications and IBM mainframe access.

*Adherence to Standards.* By licensing the official Microsoft Redirector module (the same code IBM licenses for the IBM PC and Token Ring networks) 3Com ensures compatibility with current and future releases of Microsoft and IBM network offerings.

*Open Architecture Security.* 3Com uses standard MS-DOS file and directory formats on network servers to ensure data integrity and compatibility. Third party utilities, device drivers, hard disks and software will run on a 3+ network server the same way they run under DOS.



*Licensing.* Services included in 3+Share\* 3+TurboShare\* and 3+Start\* are server licensed. 3+Share licenses up to five users, while installation of a second copy on a server with an existing copy expands coverage to the maximum number of users the server will support. 3+Share User software comes with 3+Share and may be copied to support all workstations on the network. 3+TurboShare and 3+Start must be installed on a server with 3+Share File/Print service. Both are licensed to support the maximum number of users allowed under the 3+Share licensing on that respective server.

*Network Workstations.* Our System 220 is ideal for use in a network environment. Specially configured, these "diskless" systems are ready to run! Fully equipped with Ethernet Adapter, EtherStart Prom, monochrome monitor and video adapter, these systems are the most economical solution for office connectivity.

<b>System 220</b>	VGA Monochrome 210-2203	<b>\$2,499.00</b>
	VGA Color Plus 210-2303	<b>\$2,799.00</b>

**3+Share.** Runs IBM PC Network compatible single and multi-user applications and shares files and printers. Includes 3+Menus, providing a window-oriented interface to MS-DOS and 3+.  
**430-1000** **\$595.00**

**3+TurboShare.** Allows 3+ to address expanded memory for data and File Allocation Table caching, significantly increasing network performance.  
**430-1001** **\$295.00**

**3+Start.** Permits 3+ workstations to boot across the network—far faster and easier than start up from a floppy disk, plus an additional measure of physical network security.  
**430-1002** **\$295.00**

**3+Mail.\*** Electronic Mail for your 3+ network. Eliminates telephone tag; decreases paper flow. Easy-to-use full-screen message editor. Create, send, receive, respond, forward, file and print.  
**430-1003** **\$595.00**

**3+Route.\*** 3+Route reaches beyond your LAN to extend the sharing of resources and communications between remote PCs and other 3+ networks—easily and transparently.  
**430-1004** **\$1,250.00**

**3+NetConnect.\*** Provides transparent, intelligent, high-speed bridge between Token Ring and Ethernet networks. Also supports Token Ring-to-Token Ring and Ethernet-to-Ethernet bridges on PC servers.  
**430-1005** **\$1,250.00**

**3+Remote PC.\*** Workstation software that allows a stand-alone PC access to 3+ services via standard telephone lines. Requires 3+Remote Server or 3+Route on the network.  
**430-1006** **\$295.00**

**3+Remote Server.\*** Server software that supports dial-in requests from users of 3+Remote PC Software. Allows stand-alone PCs to function as though “on the net.”  
**430-1007** **\$495.00**

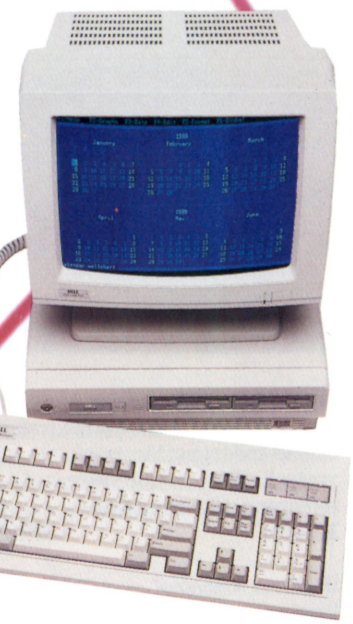


**Network Hardware:**

**EtherLink.\*** Provides PC to Ethernet connection on a half-size board, jumper selectable DMA channels, interrupt levels, I/O base address and transceiver type. Supports network bootup via EtherStart\* (430-2001).  
**430-2000** **\$495.00**

**EtherLink II.\*** Half-card form factor, software selectable DMA channels, interrupt levels and transceiver type. Supports shared memory data transfers, multi-packet buffering and network bootup via EtherStart II PROM (430-2003).  
**430-2002** **\$445.00**

**EtherLink Plus.\*** High-performance intelligent adapter front end processor for use in PC servers and sophisticated workstations. Contains 80186 and 82586 microprocessors and supports 8- or 16-bit data transfers. Includes Link Plus Enhanced for downloading 3+ and NETBIOS protocols onto the intelligent adapter.  
**430-2004** **\$895.00**



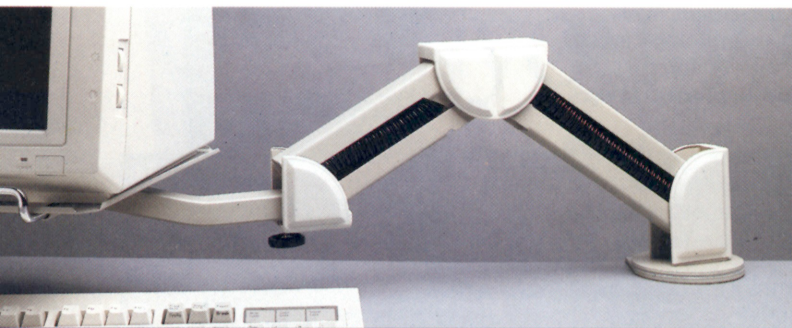
**EtherStart PROM.** Allows workstations without disk drives to boot from a 3+ network server. Installs on EtherLink Boards. Requires 3+Share and 3+Start.  
**430-2001** For EtherLink **\$49.95**  
**430-2003** For EtherLink II **\$49.95**

**TokenLink.\*** Token Ring/IEEE 802.5/802.2 IBM-compatible network adapter. Includes 9-pin and RJ11 connections for easy connection to RingTap and the Token Plus Cabling System from 3Com, then IBM Cabling System and IBM-specified Type 3 cable.  
**430-3000** **\$595.00**

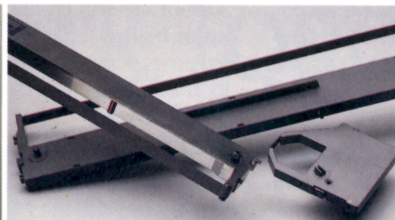
**TokenLink Plus.\*** High-performance intelligent adapter for memory intensive workstations on Token Ring networks. Includes Link Plus Enhanced for downloading 3+ and NETBIOS protocols on the intelligent adapter. Requires 3+Share software for a PC server or 3+Share User software for PC user.  
**430-3001** **\$895.00**



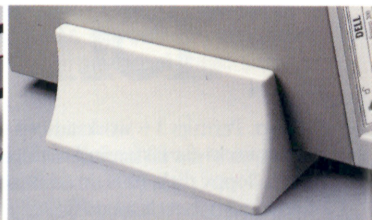
# From Printer



**A. CRT Valet**



**B. Printer Ribbons**



**C. System Stand**



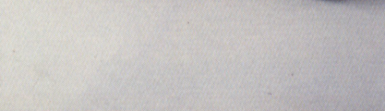
**D. Diskette Cleaning Kits.**



**E. Keyboard Drawer**



**F. Desktop Static Mat**



**G. Keyboard Slide-Away**



**H. Screen Cleaner/Restorer**



**J. Tilt 'n Swivel Stand**



**K. 3M Keyboard Static Strip**



**L. MicroManager Modular Workstations**

**A. CRT Valet.** Convenience and easy access. The Valet allows you to rotate, extend and retract the monitor to suit yourself when desktop space is at a minimum. Clamp mount.

**310-1061 \$119.95**

**B. Printer Ribbons**

Printer System 300 cassette ribbon  
**330-1203 \$6.95**

Printer System 600 ribbon cartridge  
**330-1304 \$14.95**

Printer System 800 ribbon cartridge  
**330-1402 \$14.95**

**C. SS-3 Universal System Stand.**

Adjusts from 4" to 7½" to accommodate almost any system. Rugged design and proven stability for desktop or floor use. High-impact ABS construction in a color and texture to complement all systems.

**310-1007 \$22.95**

**D. Diskette Drive Head Cleaning Kits.** Each kit has a diskette and cleaning solution to reduce errors, downtime and loss of data.

**310-1063 For 5.25" Drives (15 cleanings) \$8.95**

**310-1064 For 3.5" Drives (26 cleanings) \$8.95**

**E. Keyboard Drawer.** Sturdy and tamperproof with its steel case and locking door. Lowers your keyboard to the proper typing height and offers a copy easel and a wrist rest to dissipate harmful static.

**310-1065 \$119.95**

**F. Desktop Static Mat.** These grounded mats dissipate static charge, reduce noise, cushion your computer or printer and prevent slippage.

**310-1025 Desktop Mat \$59.95**

**310-1020 Keyboard Mat \$34.95**

**G. Keyboard Slide-Away.** Now you see it, now you don't. Maximize your desktop or use a narrow credenza.

**310-1066 \$49.95**

**H. Screen Cleaner/Restorer.** Eliminates glare, dust and static build-up. This package of 40 cleaning pads and buff cloth can be used on all monitors. Weary eyes will love you for it.

**310-1010 \$7.95**

**J. Universal Tilt 'n Swivel Stand.**

Make it easy on yourself and save the strain on your neck and back. Avoid the glare and quit adjusting your chair.

**310-1003 \$22.95**

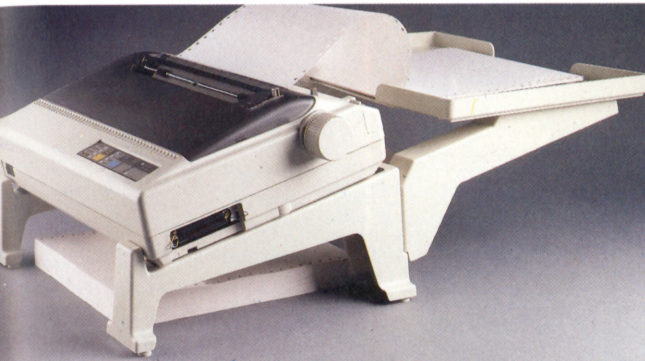
**K. 3M\* Keyboard Static Strip.** Protect your computer and data files from damage by discharging static with a touch of your fingers to the grounded strip.

**310-1019 \$16.95**

**L. MicroManager\* Modular Workstations.** The 18"-high floor module is the basic building block of the MicroManager system. Weighing in at only 22 pounds, it provides printer support, CPU housing, a storage shelf, etc. or easily attaches to other modules for multiple applications. Hidden cable channels, side access holes, accessible paper feed slot and beige finishes meld convenience and attractiveness.

**310-1039 \$79.95**

# Stands & Paper...



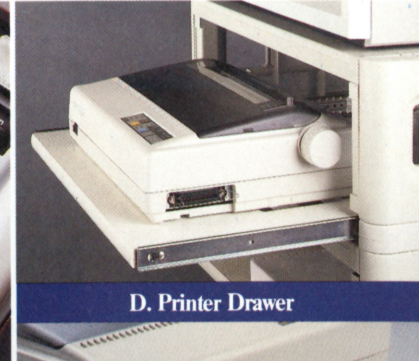
A. PSI Universal Printer Stand



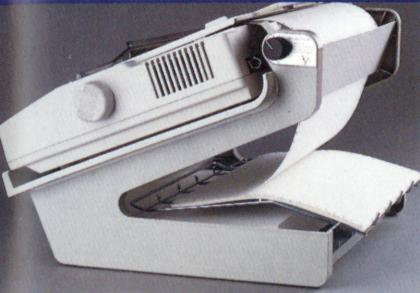
B. Paper



C. Printer Care Kit



D. Printer Drawer



E. 940, Microfold Printer Stand



G. 1100, MicroManager Printer Stand



H. Universal Printer Stand



F. TK1 Tool Kit



J. Platen Cleaner/Restorer

**A. PSI Universal Printer Stand.** A stand for all size printers—standard carriage or wide. Paper storage below and a removable paper tray to corral automatically stacked output.  
310-1012 \$16.95

**B. Paper.** By the box you get 250 sheets of continuous form, tractor feed, 9½"-wide, white, 20-lb. bond paper with a standard perforation.  
310-1030 \$4.95

**C. Printer Care Kit.** Extend the life and performance of your printer. You can clean the printhead, type elements, platen rollers and case. Contains solution, pads, wipes, printhead cleaning sheets and instructions.  
310-1018 \$16.95

**D. 1510, MicroManager Printer Drawer.** Let your printer work inside a MicroManager system stack rather than on top. The shelf rolls on sturdy ball-bearing slides and locks in place for easy loading (back or bottom feed); rolls back out of the way on operation.  
310-1035 \$39.95

**E. 940, Microfold\* Printer Stand.** This 132-column compact printer stand tilts your printer to a 22-degree angle for easy viewing and saves space by refolding and stacking output under the printer.  
310-1028 \$39.95  
**930, Microfold Printer Stand (80 Col.)**  
310-1029 \$34.95

**F. TK1 Tool Kit.** This compact collection of 11 demagnetized tools lets you upgrade, repair or maintain computers and peripherals. A patented chip inserter with pin straightener and zippered vinyl case are included.  
310-1006 \$21.95

**G. 1100, MicroManager Printer Stand.** As a stand-alone or add-on to the MicroManager Modular Workstation (L.), this stand stores your printer or CPU, provides a cable-free appearance, and allows for add-on accessories. (Beige, 24" wide x 7¼" high x 17½" deep.)  
310-1040 \$29.95  
**1300, MicroManager Low Profile Stand (24" x 4½" x 17½")**  
310-1038 \$29.95

**H. Universal Printer Stand.** This two-piece stand adjusts to fit any printer. A built-in cable management system routes power cords away from paper paths to prevent potential jams.  
310-1004 \$11.95

**J. Platen Cleaner/Restorer.** 3M Clean 'N Safe protects your printer platens and restores gripping power by removing paper tars and debris. The kit contains five single-use disposable cleaners.  
310-1014 \$5.95

DELL  
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CORPORATION

800-426-5150

# ...to Files, Cables



**A. Masterpiece PLUS Power Center**



**G. Surge Protector**



**H. IBM-AT RS-232 Converter**



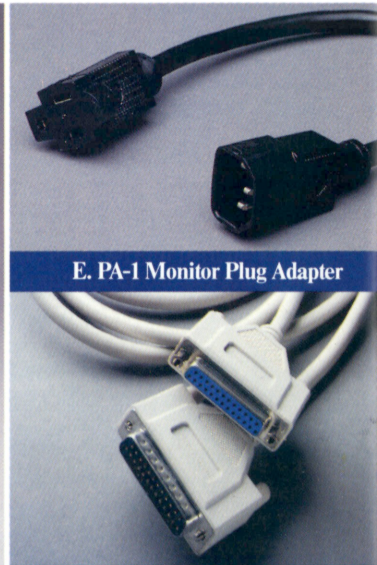
**B. AT-Hayes Cable**



**C. IBM Cable**



**D. Power Saver**



**F. EC-7 PC Serial Modem Cable**



**J. P15 Power Director**



**K. Rotary Data Switches**



**L. Power Strips**

**A. Masterpiece PLUS\* Power Center.** Includes five outlets, master switching, two-stage surge suppression, EMI/RFI filtering and static protection. Device also offers modem/phone line surge suppression and swivel base for your monitor.  
**310-1016** **\$129.95**

**B. AT-Hayes Cable.** This 9' cable connects an IBM AT-compatible style DB-9 connector to a modem.  
**310-2075** **\$9.95**

**C. IBM to Centronics Cable.** Support any parallel printer with this 6' cable, featuring a molded hood and convenient thumbscrews.  
**310-2072** **\$9.95**  
 Male-to-male 6' Centronics Cable connects peripherals to the switchbox.  
**310-2077** **\$19.95**

**D. Power Saver\* 400.** Nine minutes worth of standby power for a typical microcomputer system. "Half-load" backup would be 25 minutes for this UL-listed accessory. Get transient

protection, EMI/RFI filtering, four outlets plus a 4 ms transfer time.  
**310-1005 Power Saver 400** **\$699.95**  
**310-1060 Power Saver 1000** **\$1,099.00**

**E. PA-1 Monitor Plug Adapter.** Adapts any non-IBM monochrome power cable to an IBM PC. Automatically turns "On" monitor with system unit On/Off switch.  
**310-1070** **\$7.95**

**F. EC-7 PC Serial Modem Cable.** Connect your modem to the DB-25 RS-232 connection from the computer unit with this 9' shielded cable.  
**310-2073** **\$16.95**

**Monitor Extension Cable TTL.** (not pictured) For TTL Mono, CGA and EGA monitors *only*. Cable is male-to-female, black and 6' long.  
**310-2081** **\$12.95**

**Keyboard Extension Cable.** (not pictured) For non-PS/2 systems. Connects to Turbo, 200, 300, 310 and 325. Cable is male-to-female, 5 pins, ivory, coiled and extends to 6'.  
**310-2080** **\$7.95**

**G. Surge Protector.** Guard against electrical surges, spikes and glitches. The Emerald offers a 6' power cable, six outlets, built-in circuit breaker, positive operation LED lights, a rugged case and a lifetime warranty.  
**310-1009** **\$44.95**

**H. IBM-AT RS-232 Converter.** This 2' cable provides DB-9 to DB-25 conversion, allowing the use of a standard serial cable on a PC-AT compatible or other computer with a DB-9 connector.  
**310-2074** **\$9.95**

**J. P15 Power Director.\*** Protect your system while providing critical control of peripherals. Includes a static discharge plate, EMI/RFI filtering, modem and five-device protection, as well as a disk storage slot and expandability to include optional data switches, printer buffer and modem security units.  
**310-1013** **\$119.95**

**K. Two-Position Parallel Rotary Data Switch.** Interfacing two peripherals with one computer or one peripheral with two computers. Features a durable metal case and a rotary switch.  
**310-1047** **\$49.95**

**Four-Position Parallel Rotary Data Switch.** Interface four peripherals with one computer or one peripheral with four computers. Provides 36-position Centronics connectors.  
**310-1048** **\$89.95**

**Two-Position Serial Switch**  
**310-1046** **\$49.95**

**L. SPF-3 Safe Strip.** Play it safe with six multipurpose outlets, 7' power cable, EMI/RFI filtering, surge protection, resettable circuit breaker and one-year warranty.  
**310-1008** **\$29.95**

**S10 Powerline Strip.** Get surge protection with a power strip offering six outlets, illuminated on/off, one-year warranty and an audible alarm if surge protection fails.  
**310-1011** **\$29.95**

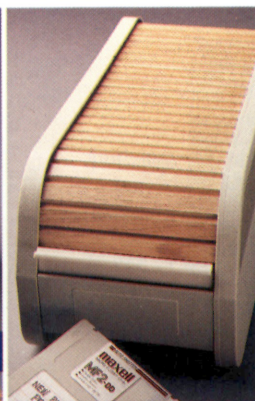
# and Cartridges



**A. Maxell Diskettes**



**B. Flip 'n' File II**



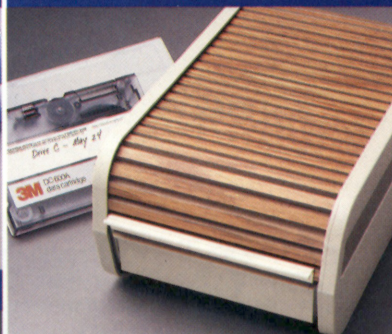
**C. Oak Rolltop Disk File**



**D. Micro/5 Color Coder**



**E. Verbatim**



**F. Data Cartridge File**



**G. Micro Disk Cube**



**H. 3M Diskettes**



**J. Tape Cartridges**



**K. Flip 'n' File II Micro**



**L. Locking Files**

**A. Maxell\* Diskettes.** Ask for quality—the 3.5" micro double-sided/high-density diskette. Box of 10.  
**310-1055** Maxell 3.5" 1.44MB **\$69.95**  
**310-1058** Maxell 3.5" 720KB **\$24.95**  
**Maxell Diskettes.** High density and high durability, but low price on this 5.25" diskette. Ten to a box.  
**310-1057** Maxell 5.25" 1.2MB **\$24.95**  
**310-1056** Maxell 5.25" 360KB **\$12.95**

**B. Flip 'n' File II.\*** Store and file up to 50 5.25" diskettes. Includes built-in dividers and key lock.  
**310-1024** **\$26.95**  
**Flip 'n' File Mini XT** Holds 100 5.25" diskettes.  
**310-1021** **\$19.95**

**C. Oak Rolltop Disk File.** The file holds 55 3.5" diskettes with six dividers and color-coded labels.  
**310-1037** **\$19.95**

**D. Micro/5 Color Coder.\*** This nifty pack of five color-coded cases will hold 25 3.5" micro disks.  
**310-1027** **\$6.95**

**Color Coder Library Case.** Stockpile up to 50 5.25" diskettes. Each case holds 10 diskettes.  
**310-1026** **\$12.95**

**E. Verbatim\* 3.5" micro double-sided/high-density diskettes.** Box of 10.  
**310-1042** Verbatim 3.5" 1.44MB **\$64.95**  
**310-1045** Verbatim 3.5" 720KB **\$24.95**  
**Verbatim.** 5.25" high-density diskettes. Box of 10.  
**310-1044** Verbatim 5.25" 1.2MB **\$24.95**  
**310-1043** Verbatim 5.25" 360KB **\$11.95**

**F. Data Cartridge File.** Lock as many as seven DC 600A cartridges in separate compartments of this oak rolltop file. Color-coded labels included. For use with 60MB tape cartridges.  
**310-1036** **\$24.95**

**Mini Data Cartridge File.** Holds 10 DC 2000 tapes; for 40MB tape cartridges.  
**310-1034** **\$19.95**

**G. Micro Disk Cube.\*** Rack 'em and stack 'em with five color-coded cases each cube holding 25 3.5" diskettes.  
**310-1015** **\$8.95**

**H. 3M Diskettes.** The 3.5" micro double-sided/high-density diskettes. Box of 10.  
**310-1051** 3M 3.5" 1.44MB **\$69.95**  
**310-1054** 3M 3.5" 720KB **\$24.95**  
**3M Diskettes.** These 5.25" high-density diskettes offer that same 3M dependability. Box of 10.  
**310-1053** 3M 5.25" 1.2MB **\$24.95**  
**310-1052** 3M 5.25" 360KB **\$12.95**

**J. Tape Cartridges.** 3M DC2000, for 40MB tape drives. Cartridges are unformatted; available in boxes of five.  
**310-1049** **\$129.95**  
**3M DC600A** 60MB tape cartridge.  
**310-1050** **\$32.95**  
**3M DC600XTD** 150MB tape cartridge.  
**310-1067** **\$35.95**  
 Formatted 40MB tape cartridge.  
**310-1059** **\$39.95**

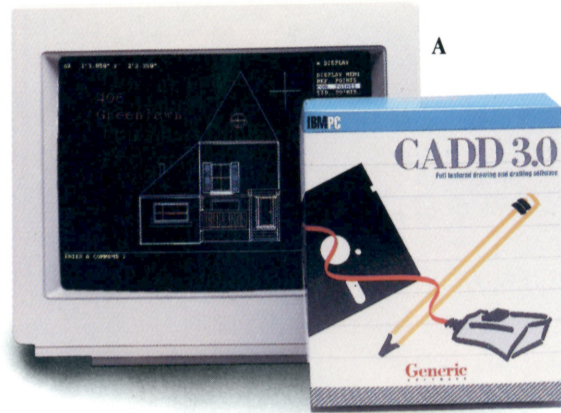
**K. Flip 'n' File II Micro.** Maintains up to 40 3.5" micro diskettes with handy, built-in dividers and index labels.  
**310-1023** **\$24.95**  
**Flip 'n' File Micro-XT.** Holds 50 3.5" diskettes.  
**310-1022** **\$19.95**

**L. Rolltop Disk File.** The 100KL has a stylish oak top with lock and accommodates a whopping 120 5.25" diskettes. Includes 10 dividers and color-coded labels.  
**310-1041** **\$29.95**  
**Locking Diskette Tray.** Easy access; easy transport. Fifty 3.5" diskettes can be secured by an all-steel keyed lock. Attached hinged lid swings out of the way, and recessed handles facilitate carrying.  
**310-1017** **\$19.95**

# Popular Software for

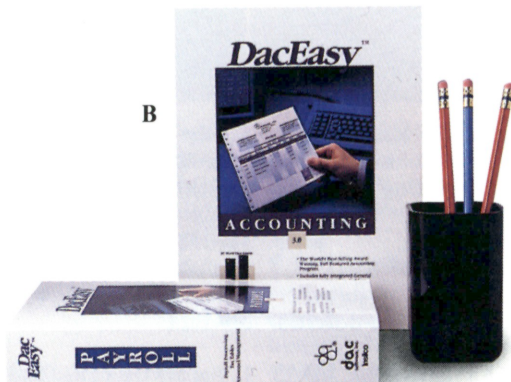
**A. CAD.** Artist or architect, you'll be drawing in minutes—matching drafting power with technical sophistication to combine text and graphics. These products rival mid-range packages costing thousands of dollars.

Generic CADD* 3.0	410-1101 (5.25")	410-1102 (3.5")	\$59.95
Generic CADD Dot Plot 3.0	410-1103 (5.25")	410-1104 (3.5")	\$34.95
Generic CADD Drafting Enhancements I	410-1106 (5.25")	410-1108 (3.5")	\$36.95
Generic CADD Drafting Enhancements II	410-1107 (5.25")	410-1105 (3.5")	\$36.95
Drafix* I Plus	410-1109 (5.25")		\$194.95
AutoSketch* Standard	410-1110 (5.25")		\$64.95



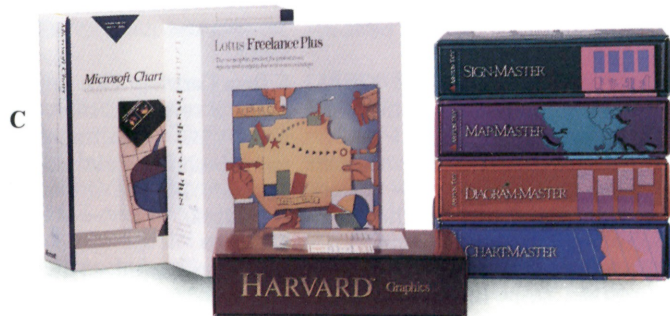
**B. Accounting.** Powerful accounting systems that provide accurate management of information and allow complete control of your personal or business finances.

Dac-Easy Accounting	410-1001 (5.25")	410-1003 (3.5")	\$59.95
Dac-Easy Accounting Tutor	410-1005 (5.25")	410-1006 (3.5")	\$26.95
Dac-Easy Payroll	410-1002 (5.25")	410-1004 (3.5")	\$59.95
Dac-Easy Payroll Tutor	410-1007 (5.25")	410-1008 (3.5")	\$26.95
Dac-Easy Bonus Pack	410-1009 (5.25")	410-1010 (3.5")	\$129.95
Dac-Easy Light	410-1011 (5.25")	410-1012 (3.5")	\$49.95
Peachtree* Complete Business Accounting	410-1013 (5.25")	410-1014 (3.5")	\$189.95
Quicken	410-1015 (5.25")	410-1016 (3.5")	\$36.95



**C. Graphics.** This is where the Fortune 1000 companies gather to master graphics, charts, maps, signs—all those reports and presentations. *Scientists, too!* In minutes you can make an impact with graphic displays of sales and marketing data, text and tables, territories and flow charts.

Microsoft* Chart 3.0	410-1505 (5.25" & 3.5")	\$279.95
Harvard* Graphics	410-1506 (5.25" & 3.5")	\$289.95
Freelance* Plus	410-1507 (5.25") 410-1511 (3.5")	\$359.95
Map-Master*	410-1503 (5.25")	\$259.95
Map-Master Premium Pack	410-1509 (5.25" & 3.5")	\$269.95
Chart-Master*	410-1501 (5.25")	\$249.95
Chart-Master Premium Pack	410-1512 (5.25" & 3.5")	\$279.95
Sign-Master*	410-1502 (5.25")	\$159.95
Sign-Master Premium Pack	410-1508 (5.25" & 3.5")	\$179.95
Diagram-Master*	410-1504 (5.25")	\$219.95
Diagram-Master Premium Pack	410-1510 (5.25" & 3.5")	\$239.95
Draw Applause*	410-1515 (5.25") 410-1514 (3.5")	\$329.95
Dr. Halo* III	410-1516 (5.25")	\$89.95
Publishers Paintbrush*	410-1521 (5.25") 410-1522 (3.5")	\$159.95
Designer	410-1517 (5.25" & 3.5")	\$489.95



Prices listed are valid with system purchases.

Buy your software when you buy your system and take advantage of these discounted prices!



# Business and Home

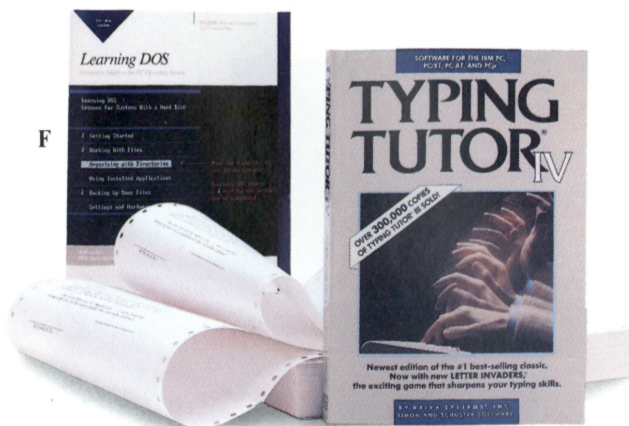
**D. Home.** Develop an electronic checkbook or analyze an investment portfolio with author Andrew Tobias' sound financial counsel. Novice and seasoned aviators will enjoy cockpit challenges over North America in Flight Simulator's "software Cessna." Design and create greeting cards, invitations and newsletters with The Print Shop, Newsroom or Newsroom Pro. For profit or for pleasure, this software will take you places without ever leaving the comfort of your PC.

Managing Your Money*	410-1604 (5.25")	410-1612 (3.5")	\$129.95
Flight Simulator*	410-1605 (5.25")	410-1613 (3.5")	\$39.95
Newsroom* Pro	410-1608 (5.25")		\$48.95
Newsroom	410-1607 (5.25")		\$39.95
The Print Shop*	410-1602 (5.25")	410-1610 (3.5")	\$41.95
The Print Shop Holiday Edition	410-1601 (5.25")	410-1609 (3.5")	\$26.95
The Print Shop Companion	410-1603 (5.25")	410-1611 (3.5")	\$39.95
F-15 Strike Eagle	410-1627 (5.25")	410-1628 (3.5")	\$26.95
Falcon	410-1629 (5.25" & 3.5")		\$32.95



**E. Spreadsheet.** Put macros to work fast to simplify and automate tasks with this integrated spreadsheet, graphics and database software. Many formulas and functions will fulfill accounting demands and enhance productivity.

Lotus 1-2-3*	410-2104 (5.25")	410-2107 (3.5")	\$299.95
Lotus 1-2-3 Networker	410-2108 (5.25")		\$1,899.95
Lotus HAL*	410-2105 (5.25")	410-2106 (3.5")	\$109.95
Quattro*	410-2101 (5.25" & 3.5")		\$154.95
Excel*	410-2103 (5.25" & 3.5")		\$329.95
SuperCalc* 5	410-2102 (5.25" & 3.5")		\$309.95
SQZ!* Plus	410-2110 (5.25")		\$64.95



**F. Training.** Learning DOS moves you quickly into greater productivity. Improve your typing skills with Typing Tutor IV.

Learning DOS*	410-2201 (5.25")	410-2203 (3.5")	\$39.95
Typing Tutor IV	410-2202 (5.25")	410-2204 (3.5")	\$39.95

**G. Communications/Utilities.** Personal computer communications programs for high-speed data transfer via modem. A selection of versatile utilities to enhance personal productivity from data backup to time management aids.

Crosstalk* XVI	410-1202 (5.25")	410-1204 (3.5")	\$105.95
Crosstalk MK.4	410-1213 (5.25")	410-1214 (3.5")	\$129.95
Sidekick* Plus	410-1224 (5.25" & 3.5")		\$129.95
Fastback*	410-1205 (5.25")		\$89.95
Fastback Plus	410-1218 (5.25")	410-1219 (3.5")	\$104.95
Quarterdeck Expanded Memory Manager 386*	410-1207 (5.25")	410-1208 (3.5")	\$49.95
Norton Utilities*	410-1220 (5.25" & 3.5")		\$59.95
Norton Utilities Advanced Edition	410-1226 (5.25" & 3.5")		\$85.95
Laplink* Plus	410-1227 (5.25" & 3.5")		\$94.95
Carbon Copy Plus*	410-1209 (5.25")	410-1210 (3.5")	\$115.95
Copy II PC*	410-1211 (5.25")	410-1212 (3.5")	\$26.95
Desk-Link*	410-1230 (5.25" & 3.5")		\$105.95
Softbytes*	410-1225 (5.25" & 3.5")		\$39.95
PC Tools Deluxe*	410-1221 (5.25" & 3.5")		\$46.95
Sideways*	410-1222 (5.25")	410-1223 (3.5")	\$46.95
Disk Optimizer	410-1217 (5.25")		\$46.95



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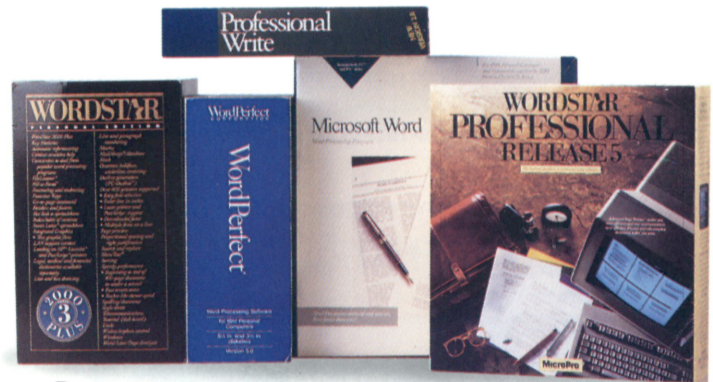


**A. Project Management.** Control your resources, scheduling and costs, regardless of complexity. Flexible, comprehensive reporting with on-line tutorials, superior support for printers and plotters and interactive data input screens.

Microsoft* Project	410-2005 (5.25" & 3.5")	\$334.95
SuperProject* Expert	410-2001 (5.25" & 3.5")	\$439.95
Harvard* Total Project Mgr. 3.0	410-2002 (5.25" & 3.5")	\$439.95
Time Line*	410-2003 (5.25")	\$369.95
	410-2004 (3.5")	

**B. Word Processing.** A full range of perceptive software to help plan, create and produce professional quality documents—at home, at school or in the office. For beginners, tutorial diskettes; for pros, sensible software. Some even provide automatic outlining, thesaurus, sorting, legal line numbering, statistical typing, full function math and box drawing.

Microsoft Word	410-2303 (5.25" & 3.5")	\$229.95
WordPerfect*	410-2305 (5.25") 410-2308 (3.5")	\$249.95
PFS: Professional Write	410-2304 (5.25" & 3.5")	\$124.95
Wordstar* Professional	410-2302 (5.25") 410-2307 (3.5")	\$249.95
Wordstar 2000		
Plus Personal Edition	410-2301 (5.25") 410-2306 (3.5")	\$259.95
Multimate* Advantage II	410-2310 (5.25")	\$284.95
Multimate Advantage II		
Premium Pack	410-2309 (5.25" & 3.5")	\$329.95
WordPerfect Library	410-2316 (5.25" & 3.5")	\$69.95
WordPerfect Network	410-2314 (5.25") 410-2315 (3.5")	\$399.95
WordPerfect		
Additional Workstation	410-2325 (5.25")	\$89.95
Wordstar Personal		
Server	410-2322 (5.25")	\$339.95
Wordstar Personal		
Additional Node	410-2321 (5.25")	\$89.95
Multimate Advantage II		
LAN	410-2327 (3.5") 410-2328 (5.25")	\$849.95
Sprint*	410-2326 (5.25")	\$134.95
Wordstar Legal Edition	410-2317 (5.25") 410-2318 (3.5")	\$379.95
Wordstar Legal Server	410-2319 (5.25")	\$389.95
Wordstar Legal		
Additional Node	410-2320 (5.25")	\$99.95



**C. Database.** Store, edit, retrieve and print information across a variety of applications—from mailing lists to sophisticated inventory management systems.

R:Base* for DOS	410-1303 (5.25" & 3.5")	\$469.95
R:Base OS/2	410-1316 (5.25" & 3.5")	\$729.95
Paradox* 2.0	410-1302 (5.25" & 3.5")	\$449.95
Paradox 386	410-1307 (5.25" & 3.5")	\$749.95
Paradox Network	410-1317 (5.25")	\$799.95
Paradox OS/2	410-1318 (3.5")	\$499.95
PFS:* Prof. File*	410-1305 (5.25" & 3.5")	\$179.95
dBase IV	410-1319 (5.25") 410-1320 (3.5")	\$519.95



Prices listed are valid with system purchases.

Buy your software when you buy your system and take advantage of these discounted prices!

# software library.

**D. Integrated.** These multipurpose “toolboxes” contain word processing, spreadsheets, graphics and more to tune up your efficiency, with smart-looking results, whether you are a collegian, executive or homemaker.

Microsoft Works	410-1701 (5.25")	410-1710 (3.5")	\$105.95
WordPerfect Executive	410-1703 (5.25" & 3.5")		\$145.95
PFS: First Choice	410-1702 (5.25" & 3.5")		\$99.95
Symphony*	410-1704 (5.25")	410-1705 (3.5")	\$479.95
Framework* III	410-1706 (5.25")	410-1707 (3.5")	\$459.95



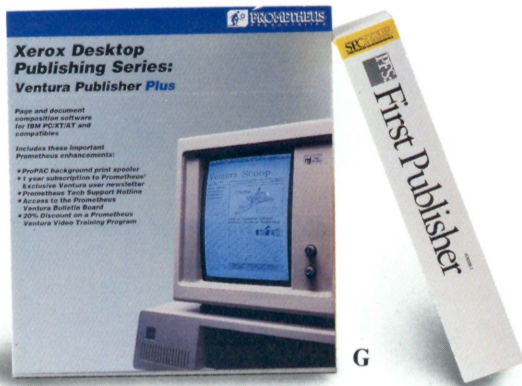
D

**E. Operating Environment.** Looking for power, convenience and productivity? This software lets you work with several programs at once. You can switch between programs with a couple of keystrokes or the click of a mouse and transfer information between applications.

Microsoft Windows 386	410-1903 (5.25" & 3.5")	\$134.95	
Microsoft Windows	410-1901 (5.25")	410-1904 (3.5")	\$75.95
DESQview*	410-1902 (5.25")	410-1905 (3.5")	\$84.95



E



G

**G. Desktop Publishing.** Stop the presses! Produce your own flyer, memo, letter, proposal, presentation, newsletter or invitation with unique page-layout programs. Personalize publications with graphics from popular print and draw programs. Minimize the need for artists and typesetters.

PFS: First Publisher	410-1402 (5.25") & 410-1406 (3.5")	\$84.95
PFS: First Publisher		
Personal Graphics	410-1401 (5.25")	\$29.95
Xerox Ventura Publisher*	410-1403 (5.25") & 410-1407 (3.5")	\$549.95
By-Line*	410-1404 (5.25")	\$219.95

**F. Languages.** Easy-to-learn but powerful Turbo Pascal—the *de facto* standard for beginner or pro—or the high-performance Microsoft compiler languages. Write with sound, color, graphics and windows.

Turbo Pascal*	410-1801 (5.25")	410-1804 (3.5")	\$99.95
Microsoft C Compiler	410-1802 (5.25" & 3.5")		\$329.95
QuickBASIC Compiler	410-1803 (5.25")	410-1805 (3.5")	\$74.95



F

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