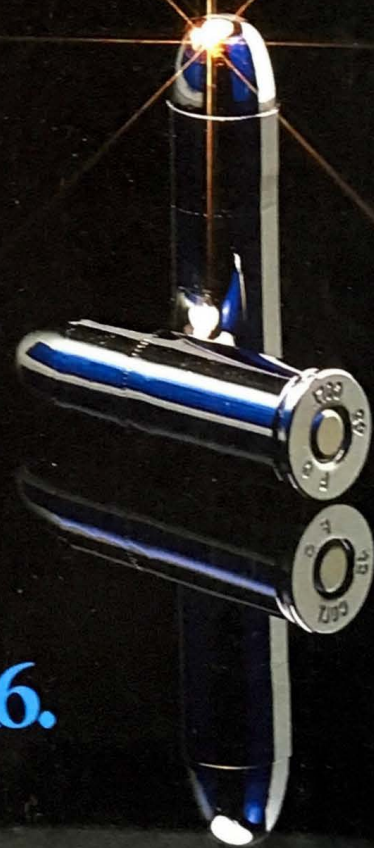
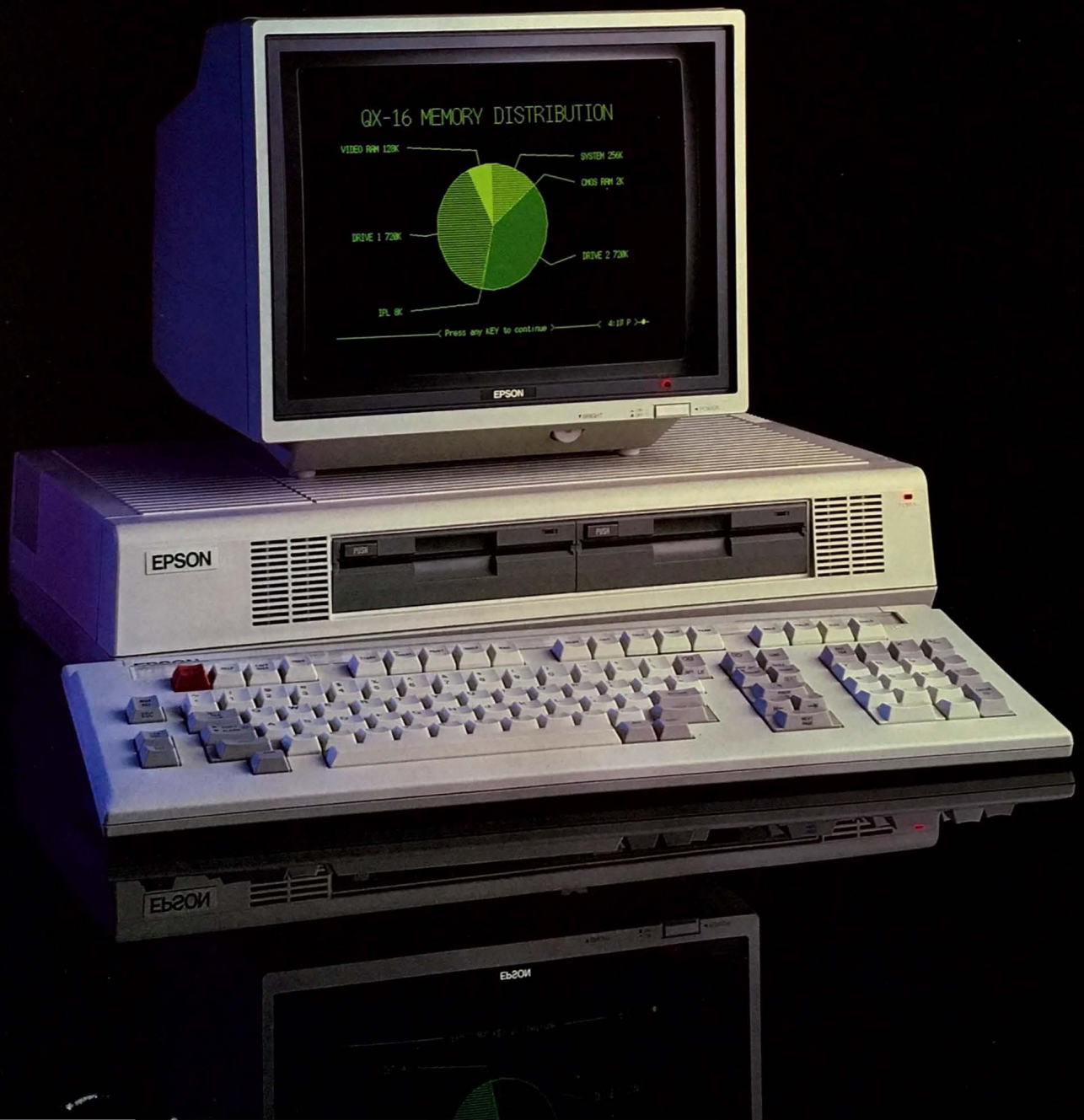


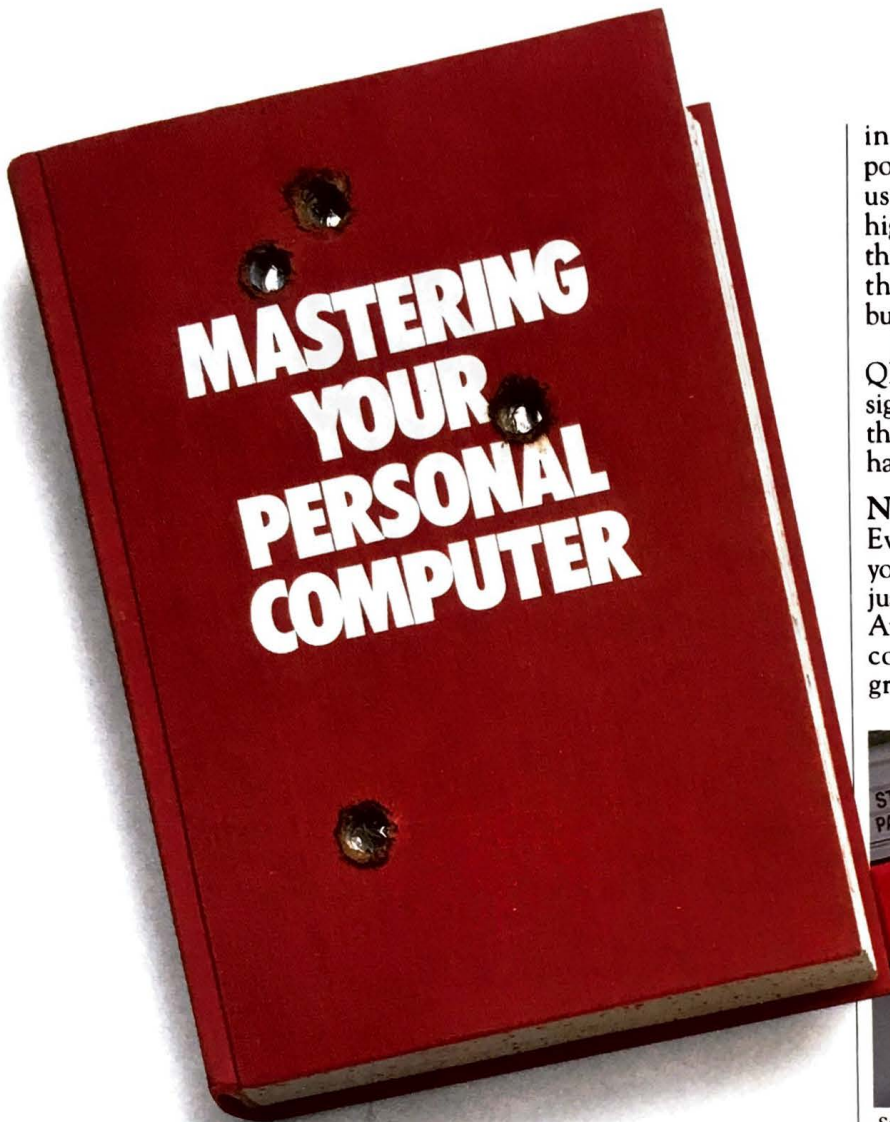
# The Great Equalizer.



Epson® QX-16.

# Epson shoots holes in the notion that high power is hard to handle.





**F**rom the smallest companies to the largest corporations, survival in the business world takes power. The ability to manage and process information. And success belongs to those who can handle it best.

The new Epson QX-16 computer puts that kind of power into your hands.

And gives you the ability to handle it. Immediately. Whether or not you've ever used a computer before.

#### **Survival on the New Frontier.**

Traditionally, powerful business computers have been just too complicated. Too difficult for beginners to learn. And nearly impossible for most people to master.

Lately, some computers have become easier to learn and use. But

in the final showdown, overall power usually loses out to ease of use. And without the necessary high-power hardware and software, this compromise just can't handle the high demands of day-to-day business.

Introducing the new Epson QX-16. A special computer designed for ordinary people. It's proof that high power does not have to be hard to handle.

#### **No experience necessary.**

Even if you're new to computers, you can be working productively in just minutes, thanks to Valdocs 2®. Available exclusively on Epson computers, this completely integrated software system gives you



*Specially designed keyboard lets you perform most operations with the push of a single button.*

control of a complete set of powerful business programs – with no experience necessary.

With Valdocs 2, the new QX-16 makes word processing easy, natural and quick. And what you see is what you get: "Bold" text, for example, actually shows **bold** on the screen.

Valdocs 2 makes simple work of complicated spreadsheets, and adds power to printed words and data with built-in graphics programs—all menu-operated for easy use.

With built-in telecommunications software, you control a personal clearinghouse for sending and receiving electronic mail. With the integrated Calendar/Scheduler, your business and personal appointments are always at your fingertips.

Among the business-oriented programs you get with the new QX-16, there's even a mini-database: the special Cardfile program that lets you file, sort and print names, numbers and data – even produce your own mailing lists and labels.

With the new QX-16, you don't have to be a computer expert: You work in common-sense, plain-English terms – not computerese. With its specially designed keyboard and foolproof command system, the new QX-16 lets you perform most operations with a single stroke on a function key. And you can select and define function keys to match your own specific needs.



Easy to use, fully-integrated software is included with the QX-16 system.

### Avoid the software crossfire.

From the start, the QX-16 puts powerful solutions at your fingertips. But, unlike most computers, the QX-16 doesn't limit you to a single operating system. Or force you to choose one series of applications software, to the exclusion of all the rest.

Instead, the QX-16's versatile design gives you a choice of three very powerful operating systems. Besides the powerful, easy-to-use Valdocs 2 integrated system, the QX-16 lets you run CP/M-80® – the 8-bit industry standard, with literally thousands of personal and professional programs at your disposal.

Plus, the QX-16 lets you run MS-DOS® – the leading 16-bit operating system, with the most advanced, most sophisticated programs available. In fact, the QX-16 lets you run most software designed for the IBM-PC® right off the shelf, with no modification necessary. You can choose from the latest, most popular business programs, including Framework® Lotus 1-2-3® dBase II® WordStar® and SuperCalc 3®. With its clear, function-key labeling, the QX-16 keyboard makes running IBM-compatible programs easy and convenient. Plus, with its unique "underlay," you can customize the QX-16 keyboard to perfectly suit the way you work.

So, with the versatile new Epson QX-16, you don't have to choose one type of software over another – you can run virtually all the programs you desire.

### Loaded with high-caliber hardware.

Powerful software requires powerful hardware. And the new QX-16 comes equipped with some of the most powerful you'll find: A fast, 4 MHz Z-80 for Valdocs and CP/M processing. A powerful, 16-bit, 5.33 MHz 8088 for MS-DOS and IBM-PC compatibility. And 256K of main memory, expandable to a full 512K RAM.

To handle your storage needs, the QX-16 comes standard with a pair of compact, 5¼ inch, quad-density disk drives. At 720K each, they give you nearly 1.5 megabytes of online storage – far more than most other computers. Plus, these reliable drives can also be con-

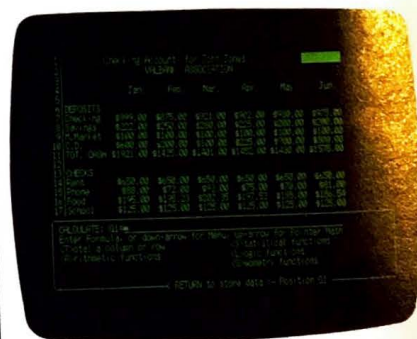
figured as either 380K or 360K double-density units, for easy compatibility with Epson QX-10 and IBM-PC disk formats.

With both parallel and serial interfaces built in, the new QX-16 offers easy compatibility with virtually all dot-matrix and letter quality printers.

A special CMOS Clock/Calendar system with battery backup is also included in the new QX-16 computer. It provides an accurate on-screen display for your personal use, continually maintains Valdocs' built-in appointment scheduler and calendar, and gives the QX-16 the ability to automatically time/date stamp your files for easy reference and retrieval.

### Set your sights on high resolution.

The QX-16 uses a sophisticated "bit-mapped" system for one of the fastest, smoothest, sharpest video displays available. To convey maximum graphic information while being easy on the eyes, the QX-16 uses a 12-inch monochrome monitor with a resolution of 640 x 400 pixels. This superior video display system employs a separate micro-processor and a full 128K of dedicated video RAM – more than many other computers' main memory. So the new QX-16 offers extremely rapid screen updates, quick, smooth text scrolling and crisp, clear graphics images.



With its 12-inch green monochrome monitor, sophisticated video processor and 128K dedicated video RAM, the QX-16 offers fast, high-resolution graphics and on-screen display of text typesets and formats.

Also built into the QX-16 is a special IBM-compatible color/graphics video emulation board. Designed to enhance operation when running MS-DOS programs, this emulator provides a very high level of compatibility with off-the-shelf IBM-PC software. Plus, with the addition of an IBM-compatible RGB monitor, the QX-16 supports operation and display of color programs under the MS-DOS operating system.

### Load it with high-power options.

As complete as the QX-16 system is, a printer is probably the only option you'll ever need to buy. But if you wish to build your system's capabilities even more, the QX-16 is ready, from the inside out. Start with an internal auto-answer/auto-dial modem like the Comrex™ CR-103,™ that plugs into one of the



*The new QX-16 is a complete, all-in-one system, and requires no additional equipment for operation. Except for a printer, it contains all the hardware and software you're ever likely to need.*

QX-16's expansion slots. Or connect an external modem through the RS-232C serial connector.

The QX-16 will also support a hard disk drive, such as the 10-megabyte Comrex CR-1510.™ In fact, Epson includes a full set of utilities programs, and has already installed the custom-tailored hard-disk "driver" software for you—one less thing to worry about when expanding the QX-16.



*The QX-16 operates under MS-DOS, and offers high compatibility with off-the-shelf monochrome and color IBM-PC software.*

With the new QX-16, you get high-power solutions to today's personal and business computing problems. And you get a big head start on tomorrow's.

### Support that aims to please.

With a new QX-16, you get the best in performance, quality and dependability. A fact that's backed by a full year warranty—the best in the business.

You also get the best in personal support, beginning the day you purchase your QX-16. The clear, concise owner's manuals are designed especially for the novice, and offer startup sections and helpful hints that let you get the most out of your system in the least possible time.

Your Authorized Epson Dealer, with a factory support team and regional distribution centers behind him, is ready to answer your most demanding questions. Epson also provides an abundance of support to independent users' groups—in informal clubs where people just like you can share ideas, problems and solutions. And exchange information about software, hardware, and applications of all kinds, from business to entertainment.

From newsletters and magazines to electronic databases and bulletin boards, the Epson user has at his disposal one of the most comprehensive, most personal support systems in the world.

### Take your best shot.

The QX-16 gives you a totally complete, technologically superior computer package with room for future expansion. Gives you the ability to run the most popular, most powerful CP/M and MS-DOS programs you'll ever need. And, with Valdocs 2, gives you the ability to handle that superior computer power—right now.

That's the Great Equalizer. That's the new QX-16 computer, from Epson.

## Specifications

<b>CPU and Memory</b>	Z-80A microprocessor, 4 MHz clockrate 8-bit CPU 16-bit CPU Main memory CMOS memory ROM	Z-80A microprocessor, 4 MHz clockrate 8088 microprocessor, 5.33 MHz clockrate 256K RAM, expandable to 512K 2K RAM, battery backup 32K	<b>Mass storage</b>	Dual 5¼ in. floppy disks, double-sided, quad-density, multiple format																				
<b>Controllers</b>	<b>Video/Graphic</b> <b>Disk DMA</b> <b>Interrupt</b> <b>Control/Timer</b> <b>Printer I/O</b> <b>Serial I/O</b> <b>Clock</b>	NEC 7220A graphic display controller IBM compatible color/graphics controller Quad-density floppy disk controller Programmable DMA controllers, one main system, one option slot, seven DMA channels Programmable interrupt controllers, 15 interrupt levels Two programmable interrupt timers Programmable parallel interface Multi-protocol serial controller CMOS realtime clock/calendar, battery backup	<b>Capacity:</b>	720K per disk 380K per disk (QX-10 format) 360K per disk (IBM format)																				
<b>Display</b>	High-resolution, green, non-glare monitor, bit-mapped: 640 x 400 pixels, text: 80 columns x 25 lines, 128K RAM dedicated memory		<b>Keyboard Layout</b>	Detachable, 3-positions, 105 sculpted keys 61-key QWERTY main keyboard, 8-key cursor pad, 18-key numeric pad, 18 function keys x 3 levels (normal/shift/alternate), user definable																				
<b>Interfaces</b>	<b>Serial</b> <b>Printer</b> <b>Option slots</b> <b>Speaker</b>	RS-232C, programmable, synchronous/asynchronous, DB-25 connector Standard 8-bit parallel, Centronix connector Three Internal, controlled by countertimer	<b>Environmental requirements</b>	<b>Temperature</b> <b>Humidity</b>																				
<b>Power supply</b>	Switching type, fan-cooled, +5 VDC, +12 VDC, -12 VDC, 115 VAC, 55 W		<b>Physical characteristics</b>	Operating range: 41° to 104° F (5° to 40° C) Storage range: 22° to 158° F (-5° to 70° C) Operating range: 10% to 80%, non-condensing Storage range: 10% to 90%, non-condensing																				
			<b>Width</b> <b>Depth</b> <b>Height</b> <b>Weight</b>	<table border="1"> <thead> <tr> <th></th> <th>CPU</th> <th>Monitor</th> <th>Keyboard</th> </tr> </thead> <tbody> <tr> <td>Width</td> <td>20 in. (508 mm)</td> <td>12.25 in. (310 mm)</td> <td>17.2 in. (438 mm)</td> </tr> <tr> <td>Depth</td> <td>13.4 in. (340 mm)</td> <td>12.25 in. (310 mm)</td> <td>8.3 in. (210 mm)</td> </tr> <tr> <td>Height</td> <td>4.5 in. (114 mm)</td> <td>11 in. (280 mm)</td> <td>1.4 in. (35.5 mm)</td> </tr> <tr> <td>Weight</td> <td>24.8 lb. (11.3 kg)</td> <td>18.7 lb. (8.5 kg)</td> <td>3.5 lb. (1.6 kg)</td> </tr> </tbody> </table>		CPU	Monitor	Keyboard	Width	20 in. (508 mm)	12.25 in. (310 mm)	17.2 in. (438 mm)	Depth	13.4 in. (340 mm)	12.25 in. (310 mm)	8.3 in. (210 mm)	Height	4.5 in. (114 mm)	11 in. (280 mm)	1.4 in. (35.5 mm)	Weight	24.8 lb. (11.3 kg)	18.7 lb. (8.5 kg)	3.5 lb. (1.6 kg)
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			<b>Power requirements</b>	115VAC ± 20%, 50-60 Hz, 55W																				

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