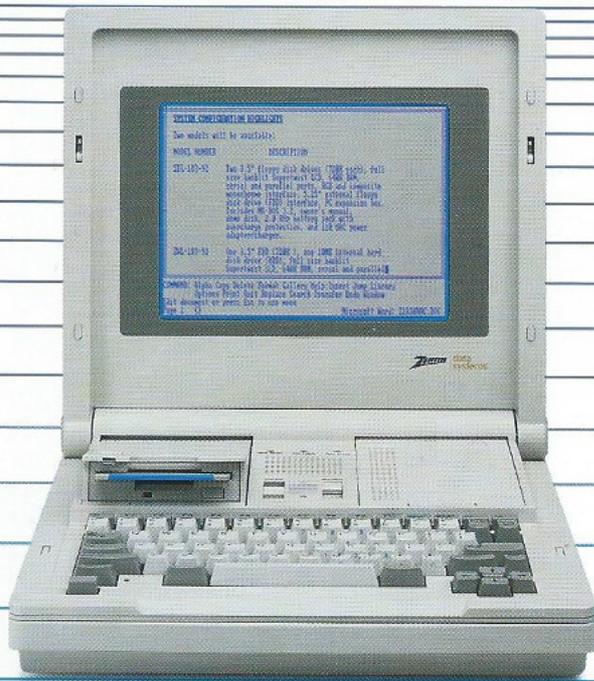


Portable Personal Computer

Z-183

Advanced Screen. 10MB Hard Disk. Battery Power!



The Z-183 comes with an internal 10MB hard disk for storing large quantities of data. It also runs PC/XT compatible software at a fast 8 MHz. And it boasts the most advanced screen available in a portable... display images are crisp, bold and bright.

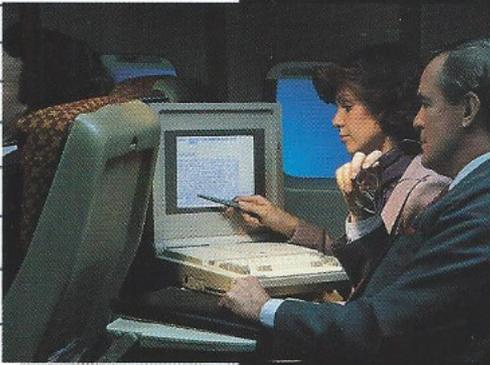
The Z-183 gives serious users everything they've been asking for from a portable PC: a hard disk; 4.77/8 MHz switchable clock speed; space for an EMS RAM expansion board; battery options for longer life; and a convenient built-in carrying handle. The Z-183 also features a large screen that's second to none, full 640K RAM, MS-DOS[®] serial port, parallel port plus much more.

The Z-183 built-in backlit supertwist screen is one of the most legible of any battery powered portable PC. Unlike standard liquid crystal displays, brightness and contrast can be adjusted to fit lighting conditions. And the screen can be tilted to a comfortable reading angle. But ZDS doesn't stop there. The display included with the Z-183 is one-third larger than screens found with other portables. Graphics can be displayed without the distortion experienced with smaller screens. When it comes to video quality, Zenith is unsurpassed in providing the best technology.

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With the Z-183, you can take your office with you.



10MB hard disk now in a ZDS portable!

With 10MB of storage, you can have access to a full complement of application programs and still have room for storing large databases. The Z-183 also includes an advanced 3.5" drive that holds 720K—twice as much data as traditional 5.25" disks can store.

8 MHz clock speed means fast processing.

The Z-183 can be set to run at 4.77 or 8 MHz. The faster speed means the Z-183 won't slow you down. For software that is clock dependent on slower speeds, it is easy to flip a switch for 4.77 MHz.

640K RAM plus EMS expansion capability.

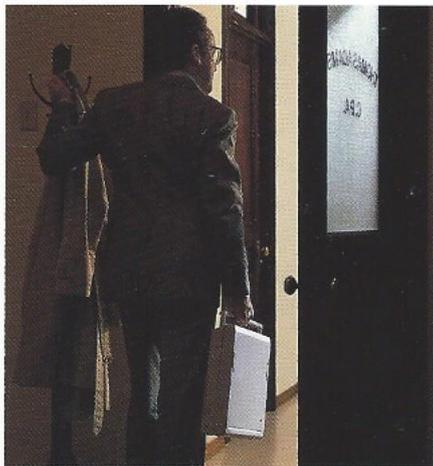
640K of memory is more than what comes with many desktop PCs. It's enough memory to run huge spreadsheets, or operate in a windowed environment. The Z-183 also has space for 1MB EMS (expanded memory specification) RAM expansion board, raising total memory to 1.6MB.

Compatibility with PC and XT software.

Most software written for the MS-DOS® operating system will run on the Z-183. Software and data already stored on 5.25" disks can be transferred to the Z-183 in several ways: file transfers via modem; disk-to-disk transfers via an external 5.25" drive; or directly via RS-232 ports using data transfer software offered as an option. With this ZDS portable, you can run what you already own, and be ready for the new generation of software that is formatted for the 3.5" drive.

Super sharp on-screen images.

Perhaps the most outstanding feature of the Z-183 is the crisp quality of all on-screen images. Both contrast and brightness are adjustable to suit the environment. The 25-line screen is a full 80 characters wide. It can be tilted back and forth 150 degrees to adapt to changing ambient lighting, including no light at all. A built-in video feature allows the use of external monochrome and



RGB color monitors, even while the Z-183 operates on battery power.

Rechargeable battery lasts for hours.

The nickel cadmium battery used in the Z-183 has a very high storage capacity. It delivers hours of uninterrupted power before it requires recharging. Total time depends on screen brightness level, disk access and options installed. You can even carry an optional spare battery pack to double your computing time. An AC power adapter/charger comes with the unit and is used for running the Z-183 on regular household electricity. And the Z-183 is auto-switchable between 110 and 220 VAC.

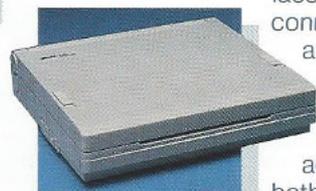
Improved Keyboard Layout.

The Z-183 keyboard is a full-function keyboard, similar to the keyboards used with full-sized desktop PCs. The 78-key keyboard is arranged for maximum utility and convenience, with homing dimples on "F" and "J." Each key is clearly labeled to help minimize input errors. Four control keys can reposition the cursor anywhere on the screen. A full ASCII character set, embedded keypad, and twelve programmable function keys are standard. Screen function keys include Page Up, Page Down, Scroll Lock, Num Lock, Home and End keys. Separate Insert, Delete, and Print Screen keys are provided. Green LED indicators show when Caps Lock, Num Lock, and Scroll Lock keys are in use.

A port is provided for connecting a full size 101-key keyboard.

Connect with peripherals or networks.

An RS-232 serial port is provided for connections to printers and other I/O devices. A parallel port also comes standard, along with space for an expansion bus interface for adding peripheral cards, if desired. An optional internal Hayes-compatible modem can provide switchable communications rates for 300 or 1200 baud. Zenith Data Systems gives you a standard video port, supporting both RGB color and composite monochrome. An inter-



face also allows connection to an external 5.25 inch floppy drive while having access to both internal drives.

Total support from Zenith Data Systems.

Zenith Data Systems provides comprehensive documentation for our full line of quality computer products. We also supply training materials and maintenance arrangements. With hundreds of dealers across the country, you're never far from the service or technical assistance you may require. A full one year carry-in warranty is provided.

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Z-183 Product Specifications

CPU AND MEMORY

Processor:	CMOS 80C88 16-bit processor operating at 4.77 or 8MHz (switchable). Socket for 8087 numeric coprocessor.
Operating System:	MS-DOS 3.2
Memory:	640K RAM standard. Each bank is 8 bits wide with no parity bit; 64K ROM; 16K Video RAM. RAM expansion to 1.64MB with EMS option.
Drives:	One shock mounted 3.5" (720K) floppy disk drive, double-sided/double-density/double-track, and one 10MB hard disk drive. PC-DOS compatible. Green LED drive indicators.
Display:	Electroluminescent backlit LCD, 25 line x 80 characters. 10.5" diagonal viewing area with true aspect ratio. Adjustable contrast and brightness. 150 degree adjustable tilt. Backlighting auto time-out feature.
Display Graphics:	LCD 80 characters x 25 lines. 640 x 200 pixels. Displays the ASCII 96 character subset; full descenders on lower case letters; reverse video.
Video:	RGB video interface standard (with intensity) plus composite monochrome interface. A standard 9-pin D connector is provided for video output. "Color" displays are represented by corresponding gray levels.
Keyboard:	Full function keyboard, 78 keys, with improved layout. QWERTY typewriter style with 4 cursor control keys; full ASCII character set; auto repeat; twelve user programmable function keys; calculator keypad overlaid onto keyboard and numeric lock key, plus port for attaching 101-key keyboard. Green LED indicators for CAPS LOCK, NU LOCK, and SC LOCK.
Date/Time Support:	Real time clock and calendar.

I/O PORTS

Serial Port:	Male 9-pin D-connector; asynchronous RS-232C compatible. User software selectable— Number of start bits—1 Number of data bits—5, 6, 7, 8 Number of stop bits—1 or 2 Baud rate—110, 150, 300, 600, 1200, 2400, 4800, 9600. Signals monitored—receive data, clear to send, data set ready, ring detect and carrier detect. Signals controlled—transmit data, request to send; data terminal ready. Supports both full and half duplex operation; odd, even or null parity configurable.
Parallel Port:	Female DB25 connector; Centronics compatible.
External Drives:	Interface for 5.25" external drive.

PHYSICAL

Weight:	15.5 lbs with battery pack.
Size:	13.4"W x 13.9"D x 3.45"H (340mm x 354mm x 87.5mm)

POWER

AC Power:	Either 115V (60 Hz) or 220V (50 Hz) (adapter/charger unit included)
Battery Power:	2.5 AHr NiCad battery pack standard (removable). Red LED low battery indicator. Overcharge protection. Computer is operational while recharging.
Operational Range:	42°-105°F at 20-80% relative humidity (non-condensing)
Storage Range:	-40°-105°F at 20-80% relative humidity (non-condensing) with one hour recovery period.

ORDER NUMBERS

ZWL-183-92	One 3.5" 720K FDD, and one 10MB HDD, 640K RAM, battery, A/C power adapter, MS-DOS 3.2
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OPTIONS

ZA-180-35	External battery pack recharger for use with ZA-180-40 and ZA-180-40-45
ZA-180-40	Extra battery pack (4.0 AHr)
ZA-180-45	Extra battery pack (2.5 AHr)
ZA-180-47	1MB EMS RAM option (late summer '87 availability)
ZA-181-5	300/1200 baud modem
ZA-181-7	Car cigarette lighter adapter
ZA-181-8	External 5.25" floppy drive (use with HCA-77 cable)
ZA-181-9	Monochrome video cable
ZA-181-17	Case with pocket
HCA-58	9-pin female to 25-pin female data transfer cable
HCA-77	I/F cable for ZA-181-8
Z-316	8087 Numeric coprocessor
CB-4364-38	Diagnostic software
CB-5063-37	Transfer utility software

Specifications subject to change without notice.

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