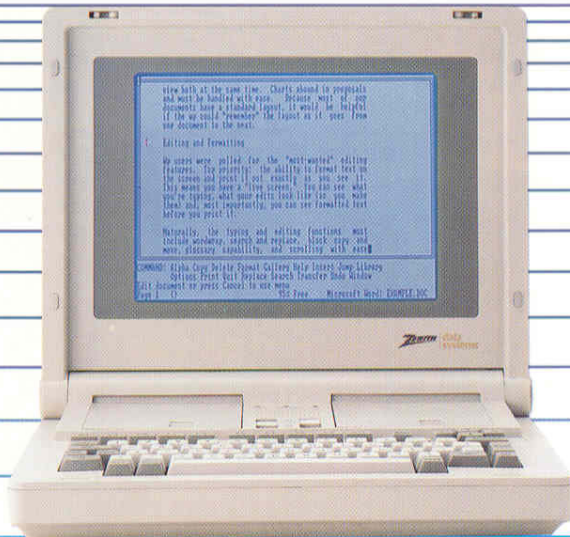


Portable Personal Computer

Advanced Screen. Fast 8 MHz clock speed. Lightweight!

Z-181



The Z-181 boasts perhaps the most advanced screen available in a laptop... display images are crisp, bold and bright. The Z-181 runs IBM PC/XT compatible software at up to 8 MHz and has an interface for a hard disk drive.

The Z-181 is the laptop that the competition is trying to imitate. This fully featured system offers everything that other laptop computers give up: 4.77/8 MHz switchable clock speed; interface port for an optional external 20MB hard disk drive; a sharp screen; full 640K RAM; MS-DOS®; rechargeable battery; serial port; parallel port; plus much more.

The Z-181 built-in back-lit display is one of the most legible of any laptop PC. Unlike standard liquid crystal displays, brightness and contrast can be adjusted to fit ambient lighting conditions. And the screen can be tilted to a comfortable reading angle. But ZDS doesn't stop there. The display used in the Z-181 is one-third larger, matching those on many desktop PC displays. Now graphics can be shown on a portable computer without the distortion found with smaller screens! When it comes to video quality, Zenith takes top honors everytime.

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Why the Z-181 is the perfect travel companion.

New 4.77/8 MHz switchable clock speed.

The Z-181 gives you the opportunity to run software at speeds that are almost as fast as you can think. Or, if you are running earlier versions of software that require a slower clock speed, the Z-181 accommodates your needs.

Super sharp on-screen images.

Perhaps the most outstanding feature of the Z-181 is the crisp quality of all on-screen characters and 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 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-181 is operating on battery power.

Standard 640K memory.

The Z-181 comes with a full 640K of memory. It uses Zenith Data Systems PC-compatible electronics, so most PC/XT compatible software will run on the Z-181.

Dual 3.5" pop-up drives.

These advanced drives are small in size, yet hold twice as much information—720K per diskette—as the traditional 5.25" floppy drive. They are also highly durable and reliable, perfect for portable applications. A green LED indicator light will glow when the drive is in use.

New interface for an optional external hard disk.

For heavy data storage requirements, a standard interface for connecting an optional external 20MB Winchester drive to the Z-181 is provided. A serial port, a parallel port, an external 5.25" floppy disk drive interface and an RGB/composite video port are standard. An internal modem is also an available option.

User friendly, full function keyboard.

The Z-181 keyboard is a professional, full-function keyboard. Each key is sculptured

to help minimize input errors. Four cursor keys easily reposition you anywhere on the screen. A full ASCII character set, with embedded keypad and programmable function keys are standard. Function keys include Page Up, Page Down, Scroll Lock, Insert, Delete, Home, End and Print Screen.

Rechargeable battery lasts for hours.

The nickel cadmium battery used in the Z-181 offers high storage capacity. It delivers hours of uninterrupted power before recharging is required. Total time between recharges depends on screen brightness level selected, disk access frequency, and options installed. An AC power adapter is standard.

Super lightweight.

At under 12 pounds, the Z-181 is one of the easiest PCs to take with you. As you find more and more uses, you won't leave the office without it.

Compatible with the IBM PC and XT.

The 3.5" drive format accepts the same MS-DOS software written for the PC/XT compatible computers. Data already stored on 5.25" floppy or hard disks can be transferred to the Z-181 in several ways: file transfers via modem; disk-to-disk transfer via external 5.25" drive; or directly via RS-232 ports using data transfer software offered by Zenith Data Systems.

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. A one year carry-in warranty is standard. With hundreds of dealers across the country, you're never far from the services or technical assistance you may require.

Z-181 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.
Drives:	Shock mounted dual 3.5" double-sided/double-density/double-track drives. PC-DOS compatible, formatted capacity 720K each. Green LED drive indicators.
Display:	Electroluminescent backlit Supertwist LCD, 25 lines 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, 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.
Date/Time Support:	Real time clock and calendar.

I/O PORTS

Serial Port:	Male DB25 RS-232C 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.
Parallel Port:	Female DB25 connector; Centronics compatible.
External Drives:	Interface for optional 5.25" external drive and optional external hard disk drive.

PHYSICAL

Weight:	11.9 lbs with battery pack.
Size:	13.4"W x 11.6"D x 3.1"H (344mm x 298mm x 78.5mm)

POWER

AC Power:	Either 115V (60 Hz) or 220V (50Hz) (adapter/charger unit included)
Battery Power:	2.0 Ahr NiCad battery pack standard (removable). Red LED low battery indicator. Overcharge protection. Computer is operational while recharging.
Operational Range:	50°-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

ZFL-181-93	Dual 3.5" 720K drive, 640K RAM, battery, A/C power adapter/charger, MS-DOS
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OPTIONS

ZA-180-20	External 20MB hard drive
ZA-180-21	Extra battery pack (2.0 Ahr)
ZA-180-35	External battery pack recharger for use with ZA-180-21
ZA-181-3	Carrying case
ZA-181-4	230 volt AC adapter
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-59	25-pin female to 25-pin female data transfer cable
HCA-77	I/F cable for ZA-181-8
HCA-78	I/F cable for ZA-180-20
Z-316-8	8087 Numeric coprocessor
CB-4364-38	Diagnostic software
CB-5063-37	Transfer utility software

Specifications subject to change without notice.



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