

Portable Personal Computer

Advanced Screen. More Power. Less Weight!

Z-181



The Z-181 boasts perhaps the most advanced screen available in a portable... display images are crisp, bold and bright. The Z-181 weighs less than 12 pounds, features large capacity 3½" drives, and runs IBM PC/XT compatible software.

The Z-181 leads the way into the next generation of portable computing. This fully featured system offers everything that other portable computers give up: a large screen that's readable in daylight or in a dimly lit room; full 640K RAM; MS-DOS; rechargeable battery; serial port; parallel port; plus much more.

The Z-181 built-in backlit display is one of the most legible of any portable PC. Unlike standard liquid crystal displays, brightness and contrast can be adjusted in the Zenith Z-181 to fit lighting. And the screen can be tilted to a comfortable reading angle. The result is a display that is exceptionally easy to read, in any light. But Zenith doesn't stop there! The display used in the Z-181 is one-third larger, matching those on 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 is best qualified to provide the ultimate display screen.

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The Z-181 gives portable computing a whole new meaning.

Super light weight.

At under 12 pounds, it sports all of the features of desktop models—including two disk drives. And its overall dimensions are smaller, making this one of the easiest PCs to take with you. As you find more and more uses for the Z-181, you won't leave the office without it.

Standard 640K memory.

The Z-181 portable comes with a full 640K of memory. It uses Zenith Data Systems PC-compatible electronics, so that virtually all PC/XT compatible software runs on the Z-181.

State-of-the-art 3½" pop-up drives.

Like the electronics and packaging of this Zenith Data Systems portable, the new, smaller size drives are designed for reliability in portable applications. Each disk can hold twice as much information—720K per diskette—as the traditional 5¼" disks.

Software compatible with the IBM PC and XT.

The 3½" drive format accepts the same MS-DOS software written for the IBM PC and compatible computers. Software already stored on 5¼" floppy or hard disks can be transferred to the 3½" format in several ways: file transfers via modem; disk to disk transfer via external 5¼" drive; or directly via RS-232 ports using a unique Zenith software program. The Z-181 runs currently popular applications, and is ready for the new generation of software that is formatted for the 3½" drive.

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. For more display flexibility, a built-in video feature allows the use of external monochrome and RGB color

monitors, even while the Z-181 operates on batteries.

Rechargeable battery lasts for hours.

The nickel cadmium battery used in the Z-181 has a very high storage capacity. It delivers up to 5 hours of uninterrupted power before it requires recharging. Total time between recharges depends on screen brightness levels and the type of operation.

An A/C power adaptor is standard for use in running the Z-181 on regular household electricity.

User friendly, full function keyboard.

The Z-181 keyboard is a professional, full-size keyboard. Each key is clearly labeled and sculptured to help minimize input errors. Four separate cursor keys easily reposition you anywhere on the screen. A full ASCII character set, with embedded keypad and programmable function keys are standard. Screen function keys include page up, page down, scroll lock, insert, delete, home, end, and print screen.

Complete communications flexibility.

An RS-232 serial port is provided for connections to printers, external modems and other I/O devices. An optional internal Hayes-compatible modem can provide switchable communications rates of 300 to 1200 baud. The Z-181 has what it takes to function as a portable phone system for remote communications with the office or with many on-line information networks.

Total Support from Zenith Data Systems.

Zenith Data Systems provides comprehensive documentation for our full line of quality computer products and software. If desired, we can also supply training materials and maintenance arrangements. We even offer a special telephone hotline to help you solve any technical or software problems you may encounter.

With hundreds of dealers across the country, you're never far from the service or technical assistance you may require.

Z-181 Product Specifications

CPU AND MEMORY

Processor:	CMOS 80C88 16-bit processor operating at 4.77 MHz. Socket for 8087 numeric coprocessor.
Operating System:	MS-DOS
Memory:	640K RAM standard; each bank is 8 bits wide with no parity bit; 32K ROM; 16K Video RAM.
Drives:	Shock mounted dual 3½" double sided/double density/double track drives. PC-DOS compatible, formatted capacity 720K each.
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 a corresponding gray level.
Keyboard:	Full keyboard, QWERTY typewriter style with 4 cursor control keys; full ASCII character set; auto repeat; ten user programmable function keys; calculator keypad overlaid onto keyboard and numeric lock key.
Date/Time Support:	Battery backed 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. Interface for 5¼" external drive.
External Drive:	

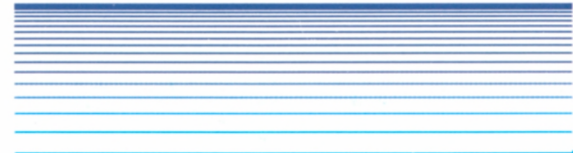
PHYSICAL

Weight:	11.8 lbs with battery pack.
Size:	13.4"W X 11.6"D X 3.1"H (34.0cm x 29.5cm x 8cm)
POWER:	
AC Power:	Either 115V (60 Hz.) or 220V (50 Hz.) (adapter/charger unit included)
Battery Power:	12 volt Nicad battery pack standard (removable). Low battery indicator. Computer is operational while recharging.
Operational Temperature Range:	42-95 degrees F (5-35 degrees C)
ORDER NUMBERS	
ZFL-181-92	Dual drive, 640K RAM, battery, A/C power adapter.

OPTIONS

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/charger
ZA-181-8	External 5¼" floppy drive
ZA-181-9	Monochrome video cable
ZA-181-12	External battery pack recharger
ZA-181-14	Extra battery pack

Specifications subject to change without notice.



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