



**data
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Z-171 PORTABLE PERSONAL COMPUTER



**The Portable
System with
Full-Size
Performance**

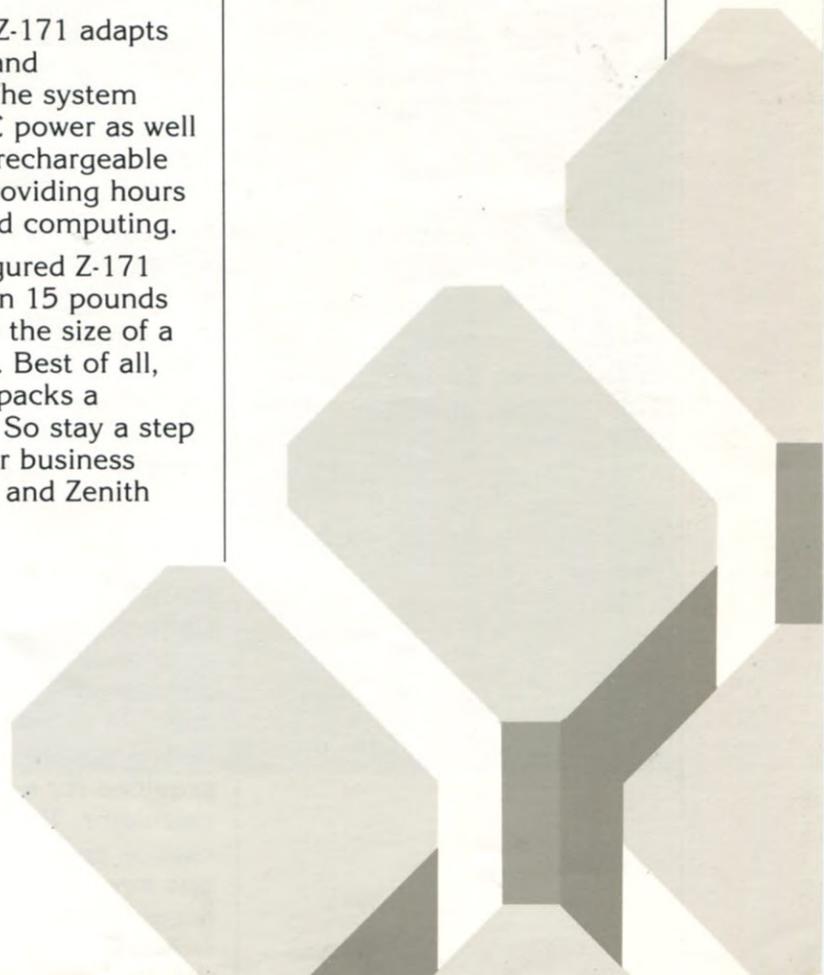
Full Featured and Fully Portable for Computing Users on the Move.

Now you can get total PC performance and features in a lightweight portable with the Z-171 from Zenith Data Systems!

The Z-171 gives you complete desktop PC capabilities and PC-compatibility wherever you go...with features like standard 256K bytes of memory, 16-bit MS-DOS operating system and two 5¼" side-loading disk drives with 360K bytes of storage each as well as a full-size backlit LCD screen for excellent visibility, full-size keyboard for comfortable use, and the ability to run most software programs written for the IBM-PC "out-of-the-box".

You'll find the Z-171 adapts to your needs and environment. The system operates on AC power as well as an optional rechargeable battery pack providing hours of uninterrupted computing.

The fully-configured Z-171 weighs less than 15 pounds and folds up to the size of a small briefcase. Best of all, the Z-171 also packs a compact price. So stay a step ahead with your business with the Z-171, and Zenith Data Systems.



You No Longer H Features for

Standard 256K Memory Expands to 640K

With the Zenith Z-171, you never pay for more system than you need. Its standard 256K memory is expandable to 640K for sophisticated applications that are enhanced by larger memory capacities. Memory expansion in 64K increments is also available for smaller memory requirements.

Backlighting LCD Display

The Z-171 features an industry standard 25 line by 80 character LCD display with full graphic capability. The important advantage is electroluminescent backlighting for the screen which provides excellent visibility of the display at wider angles with no need for special lighting. A convenient contrast control adjusts for comfortable viewing in any light. A time-out feature saves battery power by turning off the backlighting when the system is on, but not in use for a period of time.

For more display flexibility an optional internal video board allows the use of both monochrome and RGB color monitors for use in group presentations, or for office and home use when a standard monitor might be desired.

User-friendly, Full Function Keyboard

The keyboard's clearly labeled, sculptured keys provide error-reducing data entry and easy access to a full ASCII 128 key character set, 4 cursor control keys, 10 programmable function keys, plus an overlaid 4 function calculator style numeric keypad.

Utilize the Extensive Library of IBM Compatible Software

The Z-171 lets you make the most of your computer's creative potential. It offers full compatibility with most "off-the-shelf" 16 bit software developed for the IBM PC. Compatibility is achieved both internally in the firmware and processor, and externally in the keyboard design and 5¼ inch disk format. So there's no problem finding the application software you want in the format you need.

Internal Software for Convenience

Several convenience functions are provided with built-in software. Always available at the touch of a special "icon" key for the traveler is a calculator, a world clock and calendar, an appointment schedule book, and a phone book with asynchronous communications capability. The calculator automatically activates the numeric keypad and allows use of special memory store and recall keys provided for a full function calculator. The communications application provides one key autodialing and access to phone numbers stored in the phone book.

Best of all, all these functions can be accessed while running a disk-based application without interrupting that application! Information from any of these internal programs may be saved on disk or printed out as well as used in a disk based application. All internal software data is saved in 4K bytes of non-volatile RAM maintained by an internal battery so appointments and phone numbers are always available.

Complete Communications Flexibility

An RS-232C serial port is provided for both printer support and communications needs when external devices are desired. And for even more portability an optional internal Hayes compatible modem provides switchable communications rates of 300 and 1200 baud. Together with the internal communications software, the Z-171 is a portable phone system for remote communications to the office, to another portable system, or to many information networks.

Total Service and Support from Zenith Data Systems

Nobody supports your computer needs like Zenith. We give you top notch documentation for our quality computer products and software, plus training materials and professional maintenance. We even make available a special telephone hotline number for technical and software help when you need it.

Have To Sacrifice Portability



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WHEN TOTAL PERFORMANCE IS THE ONLY OPTION

Zenith Data Systems Z-171 Specifications

CPU AND MEMORY

Processor: 80C88 CMOS 16-bit processor operating at 4.77 MHz.

Operating System: . . MS-DOS 2.11 and 1.25.

Memory: Standard 256K, on-board, expandable to 640K RAM; each bank is 8 bits wide with no parity bit; 4K of non-volatile RAM dedicated to internal, built-in applications. 32K ROM.

Drives: Shock mounted dual 5 1/4" double sided/double density drives; 48 tracks per inch, 9 sectors/track; PC-DOS compatible, formatted capacity 360K each.

Display: Flat panel backlit 10" liquid crystal display; viewing area 24.0cm x 10.5cm; 25 lines of 80 characters; adjustable brightness control. Back lighting disable feature with auto shutoff.

Display Graphics: . . . 640 x 200 dot addressable pixels; character cell of 64 pixels (8x8); displays the ASCII 95 character subset; full descenders on lower case letter; reverse video; user adjustable external contrast control.

Video: RGB with intensity and composite monochrome outputs provided. A standard pin D connector is provided for RGB monitors. Sync polarity is jumperable positive or negative. Monochrome output via a standard "phono" type connector. "Color" displays are represented by a corresponding gray level.

Keyboard: Full travel key, QWERTY typewriter style with 4 cursor control keys; full ASCII 128 character set; auto-repeat; ten user programmable function keys; calculator keypad overlaid onto keyboard and numeric-lock key.

Internal Software: . . . Calculator; phone directory; calendar; clock/world map; appointment scheduler, communications.

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, 19,200;
 Signals monitored—
 receive data, clear to send, data set ready, 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.

Video Out Port: Composite video with RCA phono jack. RGB color video output with 9-pin D-type connector.

PHYSICAL

Weight: Basic system 14.3 lbs. (6.5Kg).

Size: Closed 9.5"H x 13.0"W x 6.6"D (24.1 x 33 x 16.8cm) or open 14.0"D (35.6cm). Keyboard designed to fold up, forming its own carrying case with shoulder strap included.

POWER

Requirements: Switch selectable for 115/220 VAC; 50/60 Hz.

AC Power: 90-132 VAC at 45-63 Hz; 180-270 VAC at 45-63 Hz.

Battery Power: 12 volt rechargeable battery pack.

OPERATING ENVIRONMENT

Operating: 50-90°F.

Storage: -40° to 130°F

Humidity: 20-80% relative humidity.

OPTIONAL ACCESSORIES Z-171 LIGHTWEIGHT CARRYING CASE:

Lightweight Cordura™ exterior — a durable, water-resistant fabric of 1000 denier nylon. Foam padded interior. Heavy duty nylon webbing handles and adjustable shoulder strap. Extra roomy carrying compartment for accessories. Weight under 2 lbs.

ORDER NUMBERS

ZFL-171-42: Dual drive, 256K RAM, AC power supply.

ZA-170-1: Optional battery pack.

ZA-170-2: Optional padded carrying case.

ZA-170-3: Optional video card.

Z-205-4: 256K memory upgrade chips.

ZA-170-4 Optional 300/1200 baud internal modem card.

Specifications subject to change without notice.



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 THE QUALITY GOES IN BEFORE THE NAME GOES ON