# Portable Personal Computer

# Z-171

It's a portable office... lightweight, compact and very powerful.



*IBM-PC compatibility, an easy-to-read back-lit LCD screen and two 5¼" disk drives all in a very portable package make the Z-171 an exceptional portable PC.*
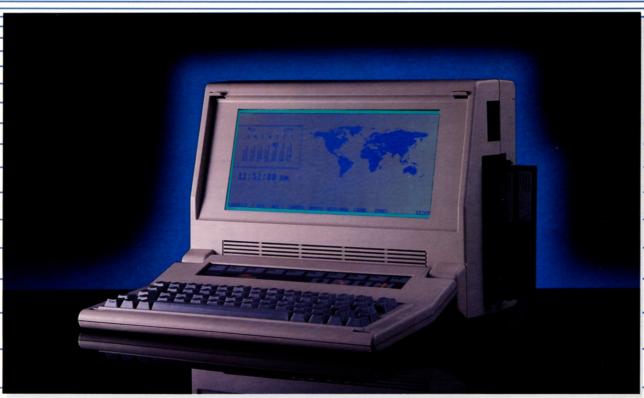
Take your office with you wherever you go. The Z-171 offers all the features, power and versatility of many desktop PCs. Standard features like 256K RAM, a 16 bit MS-DOS operating system, two 5¼" side loading disk drives, a backlighted LCD screen and full size keyboard give you total PC performance. Because the Z-171 weighs less than 15 pounds and folds up to the size of a briefcase, it's the portable system that lets you stay a step ahead.

The Z-171 adapts to your needs and environment. RAM is expandable to 640K. Power can be supplied by plugging into a standard power outlet or by an optional, rechargeable battery pack.

Built-in software puts a calculator, appointment schedule, personal phone book plus telecommunications software at your fingertips. An RS-232C serial port and DB25 parallel port (Centronics compatible) makes linking the Z-171 to an external modem or printer a simple process.

Best of all, the Z-171 also packs a compact price. This is the portable the others are compared against!

# Power, performance, portability... It's never been easier to take it with you.

### Standard 256K Memory Expands to 640K.

With the Zenith Z-171, you never pay for more system or settle for less system than you need. Its standard 256K memory is expandable to 640K for sophisticated applications that require or are enhanced by larger memory.

### Sharp on-screen images

The Z-171 screen is one of the few portables to utilize electroluminescent backlighting. The result is a screen that is exceptionally easy to read, with no need for special lighting. The screen is full size—25 lines by 80 characters—and has 640 x 200 dot addressable pixels. 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 external monochrome and RGB color monitors.

### User Friendly, Full Function Keyboard

The Z-171 keyboard is standard size. Each key is clearly labeled. Sculptured keys help minimize input errors. A full ASCII 128 key character set, along with 4 cursor control keys, 10 programmable function keys plus an overlaid 4 function calculator keypad are standard.

### Run IBM Software "Out Of the Box"

The Z-171 is fully compatible with most 16 bit software written for IBM PCs. Because more software is written for the PC than any other configuration, thousands of applications are ready-to-run on the 5¼" drives of the Z-171.

### Internal Software Puts Vital Information At Your Fingertips

At the touch of a key you can summon a calculator, a world clock and calendar, your appointment schedule book and personal phone book. These built-in features 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. It can even be integrated into a disk-based application.

Telecommunications software is also built-in to the Z-171, permitting one key autodialing and access to phone numbers stored in the phone book. All internal software data is saved on 4K bytes of non-volatile RAM maintained by an internal battery so appointments and phone numbers are always available.

### Complete Communications Flexibility

An optional internal Hayes-compatible modem can provide switchable communications rates of 300 and 1200 baud. An RS-232C serial port is provided for hookups with printers and external modems. The Z-171 has what it takes to function as a portable phone system for remote communications with the office, another portable system, or with many 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 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 with your Z-171 PC.

## Zenith Data Systems Z-171 Specifications

### CPU AND MEMORY

**Operating System:** MS-DOS 3.1.

**Drives:** Shock mounted dual 5¼" double sided/double density drives; 48 tracks per inch, 9 sectors/track; PC-DOS compatible, formatted capacity 360K each.

**Display:** Flat panel backlighted 10" liquid crystal display; viewing area 24.0cm x 10.5cm; 25 lines of 80 characters; adjustable brightness control. Backlighting 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.

**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.

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

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

**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.

**Video: (optional)** RGB with intensity and composite monochrome outputs provided. A standard 9 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.

### IO PORTS

**Serial Port:** Male DB25 RS-232C connector; asynchronous RS-232C compatible.

**Parallel Port:** Female DB25 connector; Centronics compatible.

### 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° F 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 room carrying compartment for accessories. Weight under 2 lbs.

### ORDER NUMBERS

**ZA-170-1:** Optional battery pack.

**ZA-170-2:** Optional padded carrying case.

**ZA-170-3:** Optional video card.

**ZA-170-4:** Optional 300/1200 baud internal modem card. Specifications subject to change without notice.

**ZF-171-42:** Dual drive, 256K RAM AC power supply

**Z-205-1:** 64K Memory upgrade.

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

**ZENITH | data systems**

WHEN TOTAL PERFORMANCE IS THE ONLY OPTION