



**data
systems**

Z-138 TRANSPORTABLE PERSONAL COMPUTER SYSTEM



Zenith Introduces a Lightweight IBM-Compatible PC with Heavyweight Capabilities

Total Performance and Complete Portability for the Mobile Professional

Why sacrifice portability for power in a computer system? With the new compact Z-138 from Zenith Data Systems, you can have it all.

The Z-138 PC packs IBM-compatibility, 256K memory (expandable to 768K), 7" amber CRT, and a full size detached keyboard into one 24 pound "Package of Power". So wherever your business takes you, you have the ability to act on — and react to — important business situations as they occur.

Zenith's new transportable gives you 60 percent more performance in a PC-compatible by running at 8 Mhz, rather than the slower 5 Mhz clock speed that many compatible products use. Advanced video designs also make paging through

documents or scrolling through lists faster with a Zenith PC.

Zenith's highly-praised keyboard design also makes it easier to use because of enlarged keycaps and clear English labelling.

Even better, the Z-138 is just 18" x 8.5" x 17" in size and folds into its own protective, compact carrying case. So when you need high performance PC capabilities and features in more than one place, pick the PC that helps you keep pace with today's business needs. The transportable Z-138 PC from Zenith Data Systems.

The Compact with Big System

Complete IBM PC compatible software library at your command.

Software has a lot to do with how productively a computer is used. That's why Zenith designed the Z-138 PC with the ability to access the same advanced 16 bit software developed for the IBM PC.

Extensive memory and storage capacity.

Driven by the industry standard MS-DOS operating system, the Z-138 comes with 128K or 256K standard. If there is need for expansion, you can upgrade to an incredible 640K RAM on the mainboard (768K non-compatible mode). Each of the system's IBM standard format double sided/double density 5 1/4" floppy disks store 360K.

Detached, user friendly keyboard.

The Z-138 PC features the same enhanced keyboard used on our popular desktop PC. Features include an L-shaped return key, separate keypad with plus and minus keys, status signalling LED indicators on the caps lock and numbers lock keys, ten programmable function keys and more.

Monochromatic or optional color graphics.

The Z-138 PC comes equipped with a built-in 7" diagonal amber monitor and full graphics capabilities. Each screen displays full 25 lines by 80 characters and provides a "gray scale" function which allows programming of color intensities. External RGB and composite monitor displays may also be used to generate even more appealing graphic presentations.

Communications ports for total flexibility.

An RS 232C serial port and Centronics parallel port come standard with every unit. These allow access to printers, modems, hard disk drive, and other peripherals as you need them. In addition, an optional internal IBM-compatible expansion slot provides simple Z-138 PC expansion when needed.



ct Computer tem Features

Easy to troubleshoot, easy to service.

Zenith computers are designed to ensure high quality, low cost products for you. The quality of Zenith Data Systems computers is reinforced by a 90-day, on-site warranty policy for all PC products.

On those rare occasions where service is required, built-in diagnostics and Zenith's modular design make repairs easy to spot,

and easy to make. Zenith's diagnostics are so complete that they identify troublespots by part number, right on the screen.

Important extras are standard.

Nobody but Zenith offers you all these "extras" standard: smooth scroll search, booting from either drive, foreign character sets in the operating system, enhanced keyboard, and the MS-DOS operating system with each unit at no charge.

Total performance from a name you can trust.

Zenith Data Systems is dedicated to full support and service of its quality computer line. That includes a wide range of software and highly rated documentation, easy to understand training materials, on-site maintenance...even a special hotline number for technical assistance when you need it.



**data
systems**

WHEN TOTAL PERFORMANCE IS THE ONLY OPTION

© 1985, Zenith Data Systems

Zenith Data Systems Z-138 Specifications

CPU AND MEMORY

Processor: 8088 16-bit processor operating at 8 Mhz or 4.77 Mhz, switchable.

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

Memory: Standard 256K on-board (128 single drive system) expandable to 640K RAM; (768K non compatible mode) each bank is 8 bits wide.

Drives: Shock mounted single/dual 5 1/4" double sided/double density; 48 tracks per inch; 9 sector/track; IBM PC-DOS compatible; formatted 360KB each.

Displays: 7" diagonal amber; 25 lines x 80 characters; external, user-adjustable contrast control.

Display Graphics: . . . 640 x 200 dot addressable pixels; displays ASCII 95 character subset; full descenders; reverse video; optional interlace mode.

Video: Both 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 is via a standard "phono" type connector. Color displays are represented by a corresponding gray level.

Keyboard: Detached low-profile to conform with DIN standards; QWERTY typewriter style with 8 cursor control keys; full ASCII 128 character set; 10 user programmable function keys; separate 17 key calculator keypad; 57 alphanumeric keys; caps and numeric lock LED; audible click on each keypress; auto-repeat with rate advance.

Cursor: Blinking underline or reverse.

Cursor Controls: . . . Up, down, left, right, home, end, page up, page down, top of screen, bottom of screen.

Cursor Addressing: . . Relative and direct.

Tab: 8 column tab.

Edit Function: Insert and delete character or line.

Erase Function: Erase line; erase to beginning of line; erase to end of page; erase to end of line.

Bell: Audible alarm in receipt of the ASCII BEL command.

I/O PORTS

Serial: EIA RS-232C male DB25 connector; asynchronous RS-232C compatible. Baud rate of 110-19,200. Supports both full and half duplex operation. Odd, even or null parity.

Parallel: DB25 female connector; Centronics compatible.

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

PRINTER COMPATIBILITY

Printers: Printers compatible with the Z-138 and supported by both hardware and software include ZENITH/HEATH Z-125; Diablo 620, 630, 1610, 1640; Epson MX80; DEC LA34, LA36; Texas Instruments T1810; Heath H14; MPI 99, 150, 180.

PHYSICAL

Weight: Basis system 24.2 lbs. (10.9 Kg).

Size: 8.5"Hx18.0"Wx17.0"D (21.6x45.0x43.2 cm).

POWER

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

Operating Temp: . . . 50-90 F.

EXPANSION

Slot: Optional internal full PC expansion slot including a socket for ROM-based software.

ORDER NUMBERS

ZFA-138-21 Single drive, 128 RAM.

ZFA-138-42 Dual drive, 256K RAM.

ZA-130: Optional padded and waterproof computer carrying case.

Z-130-1: Optional internal expansion slot.

Specifications subject to change without notice.



ZENITH | data systems

THE QUALITY GOES IN BEFORE THE NAME GOES ON