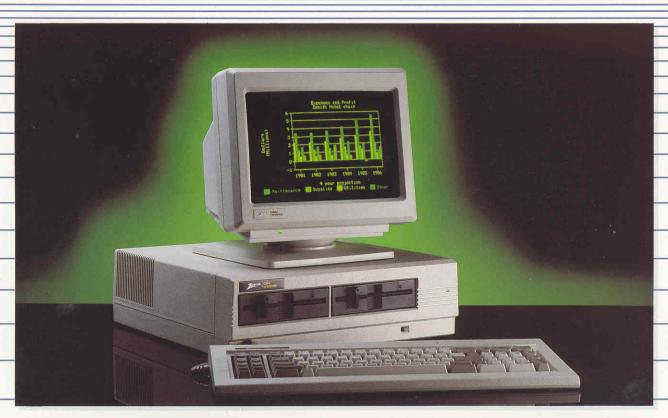# Personal Computer Desktop System   Z-148

High power at low cost—the perfect combination of product and features!

The Z-148 gives you IBM PC-compatibility, 256K standard random access memory, the option to expand, plus much more— at a very low price!

Whether your need is for office or home, the Z-148 personal computer system is all that is needed to be productive right from the start. Create, organize, and analyze vital information with the Z-148. Keep track of expenses, build complete customer histories and profiles, use it for educational activities, investing, even recreation and games. Because the Z-148 is IBM PC-compatible, you'll have access to thousands of programs immediately.

The Z-148 features a compact design and is available in either single drive or dual drive configurations. Both include serial and parallel ports for connection to a printer or external modem, PLUS monochrome and RGB outputs.

Don't settle for less computer than you really want. The Z-148 PC has the power to run complex applications. And the power to go easy on your budget.
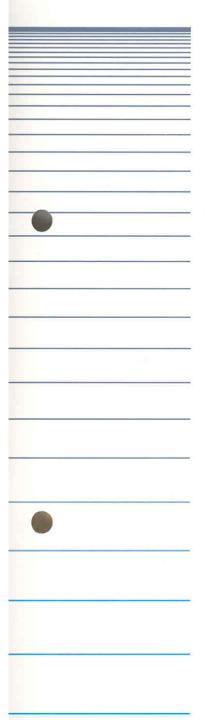
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WHEN TOTAL PERFORMANCE IS THE ONLY OPTION

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The Low-Cost, High Performance Personal Computer

Get off to the right start.

The Z-148 PC provides the user with all that's needed to get off to a fast start. And, because the system is upgradable, it can grow as needs grow.

A great memory.

The Z-148 PC's 256K standard memory is far in excess of typical 64K, or 128K entry level PC models. For even more computing power, Z-148 expansion to 640K is possible simply by plugging additional memory into the main board. Additional PC cards are not necessary.

Plenty of data storage capacity.

The Z-148 system can be ordered with single or dual 5¼" floppy disk drives. Each disk stores 360K of information—about 170 typewritten double spaced pages per disk.

Speedy information processing.

The Z-148 features the powerful 16 bit Intel 8088 processor—the heart of the industry standard MS-DOS operating system. This processor runs at 8 MHz, and processes data 60% faster than competitive personal computers.

A socket for the 8087 numeric co-processor is included to speed up operations of spread sheets, computer assisted design and scientific programs.

Well suited for local area networking.

The Z-148 is an ideal choice for use as an economical local area networking workstation. With the use of the optional expansion slot and card, it allows users to either run programs on their own, or share software, hardware and information files with a main network.

As part of a network, each user can perform daily activities, such as tracking inventory, or customer orders. In the process, a master file can be created. Information can be sent from workstation to workstation to improve communications.

Many features of the Z-148 make it easier for users to work on the system for extended time periods. A detached keyboard with clearly labeled and color-coded keys and a calculator-style numeric keypad allows quick access to the correct key.

Ten programmable function keys, separate plus and minus keys, and an L-shaped return key increase the ease and accuracy of data entry. LED indicators on the keyboard give instant operating status notice.

Grows with your growing needs.

The Z-148 comes with serial and parallel ports to allow quick and easy hook-ups to printers, plotters, modems and other peripherals. An optional PC/PC-XT compatible expansion slot permits even more flexibility for the future.

Choose a Zenith color or monochrome monitor.

Zenith offers a choice of amber or green monochromatic monitors, or an RGB color video monitor. Enjoy the benefits of full color for interest-grabbing business graphics or presentations.

Zenith backs you with total support.

When you invest in a Zenith PC, you get a lot more than just a computer. You also get proven reliability. All the benefits of state-of-the-art technology. Plus all the service support you need, from software and top-notch documentation to training materials and maintenance. We even have a special hot-line to connect you with technical assistance when you need it.

With hundreds of Zenith Data Systems dealers across the country, you're never far from any service or technical assistance you may require with your Z-148 PC.

Zenith Data Systems Z-148 PC Specifications

CPU AND MEMORY

Processor: 8088 16 bit processor operating at 8MHz. 5MHz/8MHz switch included; 8087 co-processor socket.

Operating System: MS-DOS

Memory: Standard 256K expansion to 640K RAM (768K non-compatible mode); each bank is 9 bits wide. Supports 256K chips.

Drive: 256K single or dual 5¼" double sided/double density drives; 48 tracks per inch; 9 sectors/track; IBM PC-DOS compatible; formatted capacity 360KB each; media write-protect status signal provided.

Display Graphics: 640 x 200 dot monochrome; 320 x 200 dot addressable pixels-color; reverse video; addressable cursor; optional interlace mode.

Video: Both RGB with intensity and composite monochrome outputs provided. 1 of 8 background colors, 1 of 16 foreground colors.

Keyboard: Detached low profile to conform with DIN standards; 3 ft. coiled cord expandable to 6 ft.; 10 user programmable function keys; separate 17 key calculator keypad; 57 alphanumeric; caps and numeric lock are lit; audible click on each keypress; auto-repeat with rate advance.

Cursor: Blinking, underline or reverse.
Cursor Controls: Up, down, left, right, end, home.
Cursor Addressing: Relative or direct.
Tab: 8 column tab.
Bell: Audible alarm in receipt of ASCII BEL.

I/O PORTS

Serial: Male DB25 EIA 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: RGB video output with 9-pin D-type connector. Composite video with RCA phono jack.

EXPANSION

Capability: Optional daughter board provides full-size internal IBM PC (95150) compatible card slot.

PRINTER COMPATIBILITY

Printers: Any Centronics compatible parallel printer; Serial printer interface.

OPERATING ENVIRONMENT

Temperature: 50°F-90°F
Humidity: 20%-80% relative humidity.
Approvals: FCC class B, UL, CSA approved.

PHYSICAL

Weight: 22.5 lbs. (10.2Kg).
Size: 16"W x 4.8"H x 16.1"D. (40.64 x 12.2 x 40.9cm)

POWER

Requirements: 110/120 VAC; 60Hz.
AC Power: 95-130 VAC at 48-62 Hz.

ORDER NUMBERS

ZF-148-41: 256K internal memory, single drive, 360K bytes total storage.
ZF-148-42: 256K internal memory, dual drives, 720K bytes total storage.
ZA-141-1: Option card permits one internal PC expansion card.
Z-205-4: 256K Memory upgrade.

Specifications subject to change without notice.

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