Personal Computer Desktop System   Z-158

It's the office manager...fast, expandable and very powerful.
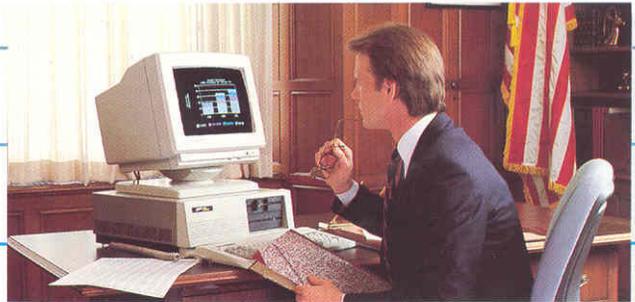
The Z-158 goes beyond IBM PC-compatibility... it redefines "Total Performance" in a personal computer.
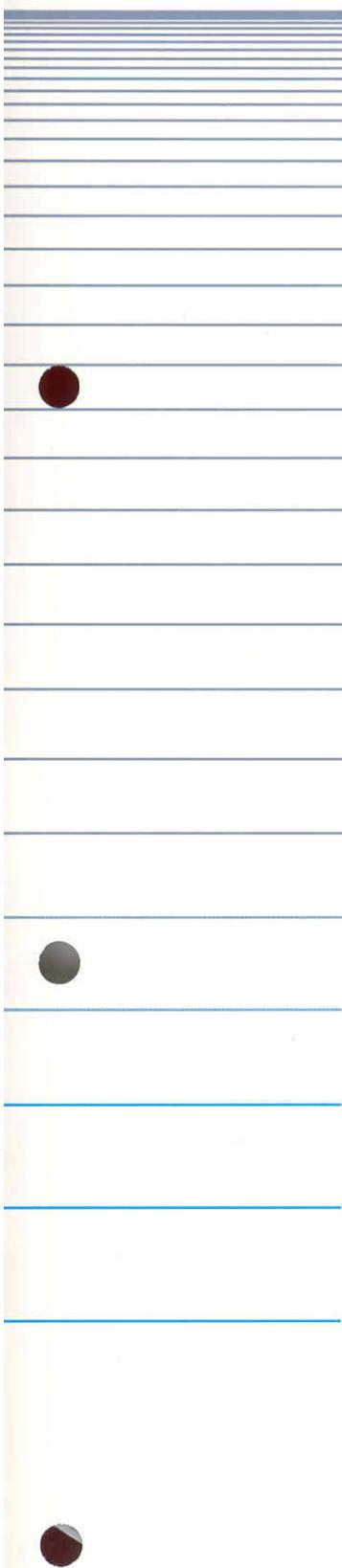
The Z-158 is powerful enough to run an entire business. IBM PC compatibility means access to thousands of software programs already on the market—including word processing, spreadsheets, data bases and even sophisticated games. Single or dual 5¼" floppy disks are featured on the Z-158. There's even an optional built-in 20 MB Winchester drive to add to the system's capacity. Add the ability to expand RAM to 640K and you will be investing in perhaps the last computer system you will ever need.

Get down to business with the Z-158 PC.

Think fast!

Designed to run at a full 8MHz, the Z-158 PC is as much as 60% faster than its comparatively sluggish 5MHz competitors. Fast I/O helps users keep their concentration on their projects and not on how slow their system responds. And, for those instances when an application requires a slower 5MHz processing speed, the dual-speed Z-158 can be set at the slower speed with a flip of a switch.

A great memory.

The Z-158 PC comes with 256K RAM standard in dual disk or single disk drive models. Expansion to 640K is possible simply by plugging additional memory into the main board.

The IBM standard format double sided/double density 5¼" floppy disks store 360K each. This is the equivalent of 170 typewritten, double spaced pages of information per disk.

An optional 20 MB hard disk is available for added storage. Many sophisticated users find it extremely convenient to load all their application software on the hard disk. This allows quick access to software during start-up, and facilitates the creation of integrated environments where users can simultaneously run multiple applications.

User friendly design.

Many features of the Z-158 PC make it easier for users to work on the system for extended periods. A detached, clearly labeled keyboard 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 of data entry. LED indicators on the caps and number lock indicate operating mode at a glance. Other standard extras include features such as smooth scroll search, booting from either drive, a superior configuration program, four display type styles to choose from and much more.

A modular design is the basis for easy maintenance. Components plug into place in moments, making disassembly quick and easy. It all adds up to a personal computer that's designed with the user's convenience clearly in mind.

Grows with your growing needs.

Five open IBM PC-compatible expansion slots make additions to the basic system simple. Add a video card, modem card, or network card to your system as your needs dictate. The Z-158 RS-232 serial and Centronics compatible parallel ports permit quick and easy hook-ups to printers, plotters, modems and other peripherals. The Z-158 PC enables you to build a system that truly delivers Total Performance.

Run IBM software "out of the box."

Productivity of any computer system depends to a significant degree on the software chosen. The Z-158s allow selection from the full range of 16-bit software developed for the IBM Personal Computer.

Three levels of diagnostics.

Protect your data entries by checking the Z-158 hardware through three separate testing procedures: automatic power-on diagnostics with LED indicators; ROM-based user invoked LED display; and optional extensive disk-based diagnostics.

Choose a Zenith color or monochrome monitor.

Zenith offers either an amber or green monochromatic monitor. Or, opt for a Zenith RGB video display and enjoy the benefits of full color.

Total support from Zenith Data Systems.

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 and support you need, from software and top-notch documentation to training materials and maintenance. We even have a special hotline 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-158 PC.

CPU AND MEMORY

Processors:	8088; 8/5 MHz switchable; 8087 co-processor socket.
Memory:	256K Dynamic RAM with internal parity check standard. Expandable to 640KB. Basic memory card can support up to 640KB in 64KB or 256KB increments (3 banks) of Dynamic RAM 9 bits wide including parity.
Display:	Character mode color. 80 characters x 25 lines (1 of 8 background colors, 1 of 16 foreground colors). Medium resolution color.
Display Graphics:	320 x 200 (color). Each graphics bit can be 1 of 4 colors selectable from 1 of 2 color pallets; High resolution; 640 x 200 (black and white only).
Character Set:	Alphanumeric modes. 8 x 8 character set. Upper and lower case special symbols and graphic symbols.
Keyboard:	Detached low profile to conform with DIN standards; 3 ft. coiled cord expandable to 6 ft.; 10 function keys; 17 keypad keys; 57 alphanumeric; caps lock and numeric lock are lit; audible click on each keypress.
Cursor:	Blinking, underline or reverse.
Cursor Controls:	Up, down, left, right, home.
Cursor Addressing:	Relative and direct.
Tab:	8 column tab.
Refresh Rate:	60 Hz, 50 Hz.
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.
Video:	Both 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 is via a standard "phono" type connector. "Color" displays are represented by a corresponding gray level.

SERIAL I/O PORTS

Interface:	EIA, RS-232 standard at a baud rate of 110 to 19,200 DTE connection.
Mode:	Asynchronous full or half duplex.

PARALLEL I/O PORT

Interface:	Centronics compatible parallel printer port with a 25 pin D-connector accessible from the rear of the unit.

PRINTER COMPATIBILITY

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

DISK SYSTEM

Drives:	Single or dual 5¼" floppy disk drives, 48 track per inch, double sided/double density
Capacity:	320K or 360K bytes (IBM 8 or 9 sector formats) per drive. 720K bytes total (double drives).
Tracks:	40 per side.
Winchester:	Optional 5¼" rigid disk drive, 21.4MB formatted, 26.6MB unformatted. With single 5¼" floppy.

EXPANSION

Capability:	Five PC-compatible, one Zenith video option slot, available for future expansion. Additional slot used for Winchester controller. Memory expansion to 640K on CPU board.

PHYSICAL

Case:	All metal for strength with decorative bezels for superior styling; modularized for easy field service.
Size:	16" W x 6.25" H x 16.5" D (without keyboard). (40.64cm. x 15.88cm x 41.91cm).
Weight:	Approx. 42 pounds (keyboard & two drives). (18.9Kg).
Operating Temp:	15-30°C (59-86°F)

POWER

Power Requirements:	120/240 volts at 50/60 Hz at 300 watts maximum.

ORDER NUMBERS

ZF-158-41:	256K internal memory, single 5¼" floppy disk drive, 360K bytes total storage.
ZF-158-42:	256K internal memory, dual 5¼" floppy disk drives, 720K bytes total storage.
ZW-158-43:	256K internal memory, 26.6M bytes unformatted (21.4M bytes formatted) 5¼" rigid disk, single 5¼" floppy with 360K bytes storage.
Z-304:	Synchronous/Asynchronous adaptor card.
Z-317-20:	20MB Winchester upgrade kit.
Z-329:	Monochrome text-mode card.
Z-205-4:	256K Memory upgrade.

Specifications subject to change without notice.

ZENITH data systems

WHEN TOTAL PERFORMANCE IS THE ONLY OPTION.