



**data  
systems**

## Z-158 PERSONAL COMPUTER DESKTOP SYSTEM



### Grow With a Name You Can Trust ... Zenith

Choosing the right system for your needs is an important decision. Zenith Data Systems has your answer!

Zenith's Z-158 PC is the "Total Business Solution" for your personal computing needs. It is a quality personal computer with the enhanced features and quick processing speed that you want and demand.

The Z-158 PC is Zenith's personal computer system with IBM compatibility to access the wealth of software and peripherals developed for the IBM PC.

Dual 5¼" floppy disks in the standard IBM format are featured on the Z-158 PC.

There is even an optional built-in 10.6MB Winchester drive to add to the system's capability.

Add the Z-158 PC's compact, lightweight design with detached keyboard and its maximum 640K memory capacity and you will be investing in perhaps the last computer system you will ever have to choose.

Invest Wisely! Go with a name you can trust... Zenith.

**Go Beyond IBM  
Compatibility...  
Reach for Total  
Performance.  
Zenith's Z-158 PC!**

# Z-158 Personal Computer Total Performance for



## Total PC Performance with Exceptional Speed

Zenith Data Systems 16-bit Z-158 PC helps you get all your answers as quickly as possible. Designed to operate at a full 8MHz, it allows you to run as much as 60% faster than its comparatively sluggish 5MHz competitors. And, for those instances when an application requires a slower 5MHz processing speed, the dual-speed Z-158 PC simply switches to accommodate the need.

## Access to an Extensive IBM Compatible Software Library

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

## Extensive Memory and Storage Capacity

Select between the Z-158 PC's standard 128K RAM single disk or 256K RAM dual disk drive models.

The IBM standard format double sided/double density 5¼" floppy disks store 360K each. The optional hard disk drive provides an extensive 10.6MB of added storage. The Z-158 PC provides the capacity to handle the larger, more comprehensive business programs.

## More Expansion Slots to Meet Growing Needs

Four open IBM compatible slots are available for Z-158 PC expansion. Access a wider variety of software programs and peripherals to meet the ever-changing needs of business.

## Graphics in Full Color or Choice of Monochromatic Displays

Choose either an amber or green phosphor Zenith quality engineered monochromatic monitor. Or opt for a Zenith RGB and composite video display and enjoy the benefits of full color, interest-grabbing business graphics presentations.

Use Zenith Data Systems' optional video card to provide higher resolution graphics.

# nal Computer r Tomorrow...Today!



## User-Friendly, Detached Keyboard

A detached keyboard with clearly labeled and color-coded keypads and a calculator-style numeric keypad allows quick access to the right key.

Ten programmable function keys, separate plus and minus keys, and an L-shaped return key increase the Z-158 PC's ease of accurate data entry. LED indicators on the keyboard give instant operating status notice.

## 2 Ports for Communication Flexibility

Expand your Z-158 PC by utilizing the parallel port and an IBM compatible serial port. Add a matrix or letter quality printer, modem, or other beneficial peripherals.

## Three Levels of Diagnostics

Protect your data entries by checking the Z-158 PC's hardware systems accuracy through three separate testing procedures: Automatic power-on diagnostics with LED

indicators; ROM-based user-invoked LED display; and optional, extensive disk-based diagnostics.

## Important Extras Standard

Compliments of the Z-158 PC, users can enjoy such added features as smooth scroll search, booting from either drive, a superior configuration program, high density diskette formatting on floppy drive, four display type styles to choose from and much more.

## Designed for Strength and Easy On-Site Maintenance

Modular design is the basis for optimally easy maintenance. Components plug into place in minutes reducing repair time to a minimum in the unlikely event service is ever needed.

## Zenith Total Support

Zenith Data Systems is dedicated to full support and service. This includes a wide range of software and top notch documentation, easy to understand training materials, and on-site maintenance. Should it be required a special hotline telephone service is available for technical assistance.

**Zenith...“The Quality Goes In Before The Name Goes On”!**

## Zenith Data Systems Z-158 PC Specifications

### CPU AND MEMORY

Processors: . . . . . 8088; 8/5 MHz switchable.  
 Memory: . . . . . 128K or 256K of Dynamic RAM with internal parity check standard. Expandable to 640KB. Basic memory card can support up to 320KB in 64KB increments (5 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: . . . . . Alpha numeric 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 standards 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: . . . . . Printers compatible with the Z-158 and supported by both hardware and software include: ZENITH/HEATH Z-125; Diablo Models 620, 630, 1610, 1640, 1650; Epson MX80; DEC LA34, LA36; Texas Instruments T1810; Heath H14, MPI 99, 150.

### DISK SYSTEM

Drives: . . . . . Single or dual 5 1/4" 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 5 1/4" rigid disk drive, 10.6MB formatted, 12.76MB unformatted. With single 5 1/4" floppy.

### EXPANSION

Capability: . . . . . Four card slots available for future expansion. Additional slot used for Winchester controller. Memory expansion to 640K.

### 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 15.88 cm 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-158-20: . . . . . Diskless PC for networking applications. Deletes 5 1/4" disk drives, disk controller and serial port. Brackets included to add 5 1/4" drives.  
 ZF-158-21: . . . . . 128K internal memory, single 5 1/4" floppy disk drives, 360K bytes total storage.  
 ZF-158-42: . . . . . 256K internal memory, dual 5 1/4" floppy disk drives, 720K bytes total storage.  
 ZW-158-42: . . . . . 256K internal memory, 12.7 Mbytes unformatted (10.6Mbytes formatted) 5 1/4" rigid disk, single 5 1/4" floppy with 360K bytes storages.

Specifications subject to change without notice.

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