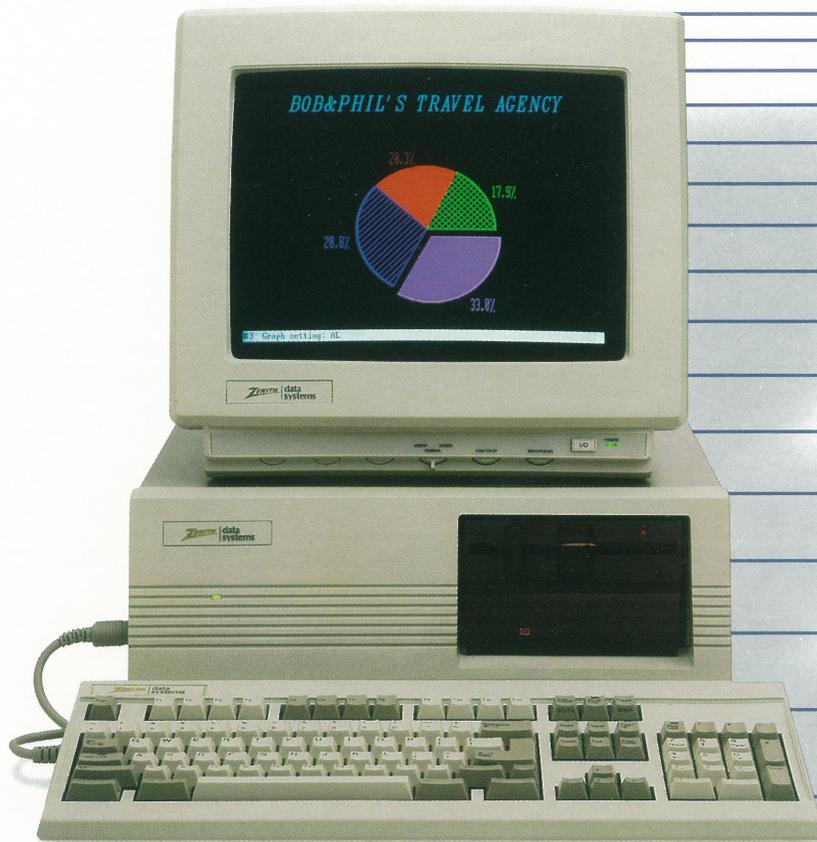


Z-286

80286

Personal Computer



*More power and
memory to run*

MS-DOS® as well

as MS OS/2™

applications.

The Z-286: ready for today and tomorrow.



Multi-tasking minimizes idle time.

Few things are quite as frustrating for PC users as having to wait for your computer to catch up with you. The Z-286 has been designed with the advanced 16-bit 80286 processor, running at 8 MHz clock speed. The Z-286 can run software you already own plus perform multi-tasking operations using MS OS/2. Consider the possibilities: do database sorts as you work in your wordprocessor. Or run statistical computations while entering data into a spreadsheet. And, the Z-286 processor is 36% faster than the 8088 processors used in basic PCs.

Advanced 31 KHz video offers compatibility with all popular modes.

The Z-286 comes standard with EGA + video (640 x 480) and is compatible with other popular modes including EGA, CGA, MDA and Hercules® graphics. The Z-286 has the same video capabilities as our most advanced PC system, the Z-386.

Process more data in less time.

Quick response to commands is easy for the Z-286. It comes with 512K RAM standard, and can be expanded easily with the addition of optional Zenith Memory Cards. The system can also be configured with a 20MB hard disk drive.

Small Footprint.

The Z-286 takes up much less desktop space than many similarly powered units. Its small size will surprise you because it measures just 16"W x 6.5"H x 16.5"D, occupying about the same space as an XT. Yet it offers the same amount of power as many AT systems.

Four open expansion slots.

The Z-286 comes with one parallel port, one serial port, and can expand with your expanding needs. Two Zenith slots, one 16-bit AT slot and one 8-bit PC/XT slot are available. Together, they provide virtually unlimited opportunity for adding additional ports, an internal modem or memory cards, plus much more.

Ergonomic design for easy operation.

Many features of the Z-286 make it easier for users to work on the system for extended periods. ZDS's new enhanced 101-key keyboard is detached, with a full size QWERTY layout and clearly labeled keys. Twelve function keys, separate cursor control keys and a separate numeric key pad allow users to enter numbers and data quickly and accurately.

Designed for flexibility.

The Z-286 positions you for today's expanding technologies. Its standard configuration includes a 20MB hard disk drive and 5.25" 1.2MB floppy disk drive, allowing you to take advantage of your current 5.25" software investment. Plus there is also room for an optional internal 3.5" floppy disk drive for users who want both 5.25" and 3.5" media capabilities. MS-DOS® and Microsoft® Windows are both included—standard—with the Z-286, allowing you to navigate between software programs with ease.

Total Support from Zenith Data Systems.

Zenith Data Systems provides comprehensive documentation for our full line of quality personal computers. If desired, we can also supply maintenance agreements. The Z-286 is backed by a one year carry-in warranty, and can be repaired by any ZDS authorized service dealer.

ZENITH data systems
THE QUALITY GOES IN BEFORE THE NAME GOES ON®

CPU AND MEMORY

Processor: Intel 16-bit 80286, 8 MHz.
Optional 80287 microprocessor.

Memory: 512K Dynamic RAM; internal parity check standard; addresses up to 16 MB RAM. 128K RAM addresses space. 4K special RAM.

Operating Systems: Supports MS-DOS® 3.2X, MS OS/2™ and Xenix.®

Video Characteristics: Enhanced Graphics Adapter + standard (IBM compatible). Provides high resolution. 16 of 64 colors in a 640 x 480 pixel resolution (8 x 14 character cell); Also emulates standard EGA, CGA, MDA and Hercules graphics.

Optional Video: Compatible cards include: Z-409 for Zenith Z-150 emulation, Z-419 for Zenith Z-100 emulation, IBM Monochrome Display Adapter, IBM Color Graphics Adapter (CGA), IBM Enhanced Graphics Adapter (EGA), IBM Professional Graphics Controller (PGC), Hercules, Tecmar Graphics Master, Persyst, Paradise, and others.

Drives: Single 1.2MB 5.25" floppy disk drive and 20MB Winchester.

Disk Controller: Combined Winchester/floppy controller supports up to two floppy drives (either 3.5" 1.44MB and/or 5.25" 1.2MB) as well as one Winchester drive.

Keyboard: Enhanced 101 key keyboard. Detachable, low-profile to conform with DIN standards; 6 ft. coiled cord expandable to 9 ft.; 12 function keys; separate numeric keypad keys; separate cursor control pad; full size QWERTY layout. CAPS LOCK, NUM LOCK and SCROLL LOCK are lit; audible click on each key-press; auto-repeat with rate advance.

Cursor: Blinking underline or reverse.

Cursor Controls: Separate cursor control includes up, down, left, right, home, end, page up, page down.

Cursor Addressing: Relative or direct.

Tab: 8 column tab (software application dependent).

Edit Function: Insert and delete character or line (software application dependent).

Erase Function: Erase line; erase to beginning of line, erase to end of page; erase to end of line (software application dependent).

Refresh Rate: 60Hz, 50Hz.

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

Clock: Continuous running real time clock with Lithium battery.

Diagnostics: Automatic power-on with LED indicators; ROM-based user-invoked diagnostics.

I/O PORTS

Serial Ports: One male DB 9 EIA RS-232C connector; asynchronous RS-232C compatible
User software selectable;
Number of start bits—1;
Number of data bits—5, 6, 7, or 8;
Number of stop bits—1 or 2;
Baud rate—110, 150, 300, 600, 1200, 2400, 4800, 9600 and 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. Connector accessible from the rear.

Parallel Ports:

One Centronics compatible bidirectional parallel printer port with a 25 female pin D-connector accessible from the rear of the unit.

EXPANSION

Capability: 8 bus slots; four open for expansion, one 8-bit PC compatible, and three 8/16-bit PC/AT compatible expansion slots.

PHYSICAL

Weight: Single floppy drive—42 lbs. (19.05Kg); Winchester & floppy drive 45 lbs. (20.41Kg).

Size: 16"W x 16.5"D x 6.5"H (40.6 x 41.9 x 16.5cm).

OPERATING ENVIRONMENT

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

POWER

Requirements: 100-125 volts at 50/60 Hz at 160 watts; 210-240 volts at 50/60 Hz switch mode power supply.

ORDER NUMBERS

ZW-286-25 One 5.25" 1.2MB floppy drive and 20MB Winchester.

Z-416-C Optional numeric 80287 coprocessor

OPTIONAL DISK DRIVES

ZD-14 3.5" 1.44MB floppy drive.

ZCA-15 Kit to install ZD-14 into ZW-286 model 25.

OPTIONAL MEMORY CARDS

Z-405A 640K memory expansion card.

Z-415 1.5MB memory expansion card

RECOMMENDED MONITORS

ZMM 149/A

ZMM 149/P

ZCM 1390

ZCM 1490

Specifications subject to change without notice.



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