SUPERSPORT 286

Portable Personal Computer Model 40

Monthly Sales Totals
(Thousands of Dollars)
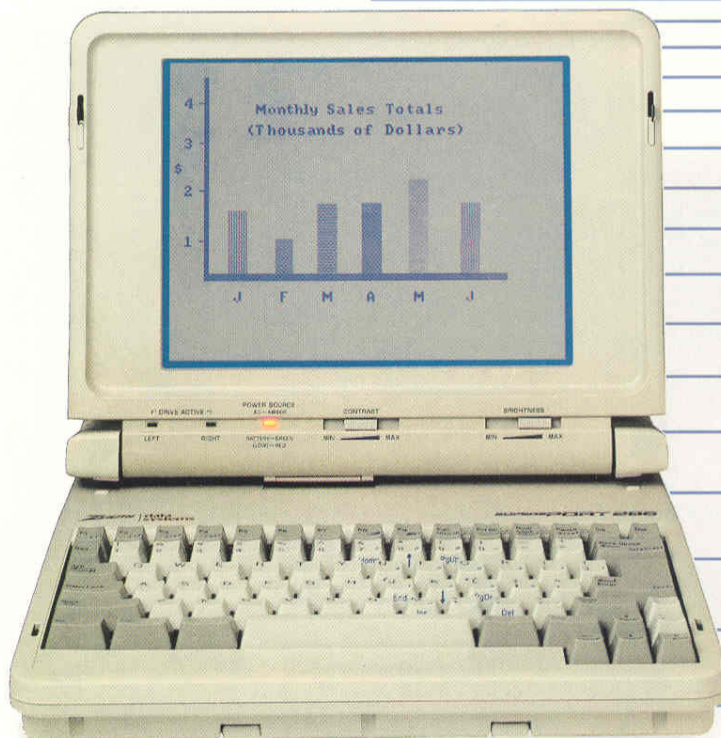
Outstanding 80286

processing, expansion

flexibility, and detachable

battery pack provide

the functionality of a

portable AND a desktop.

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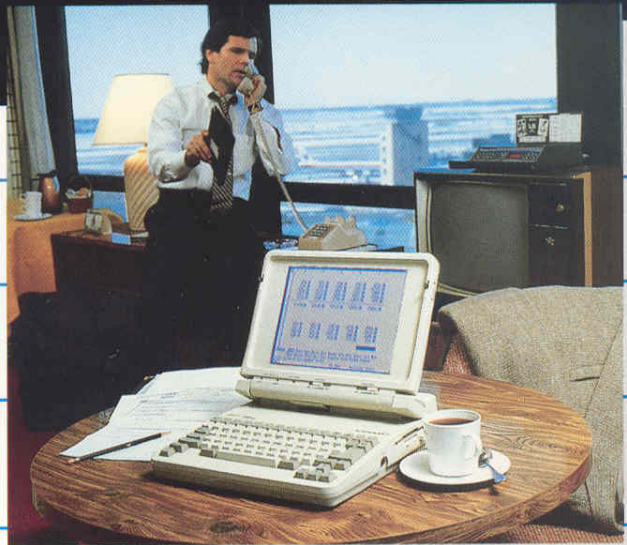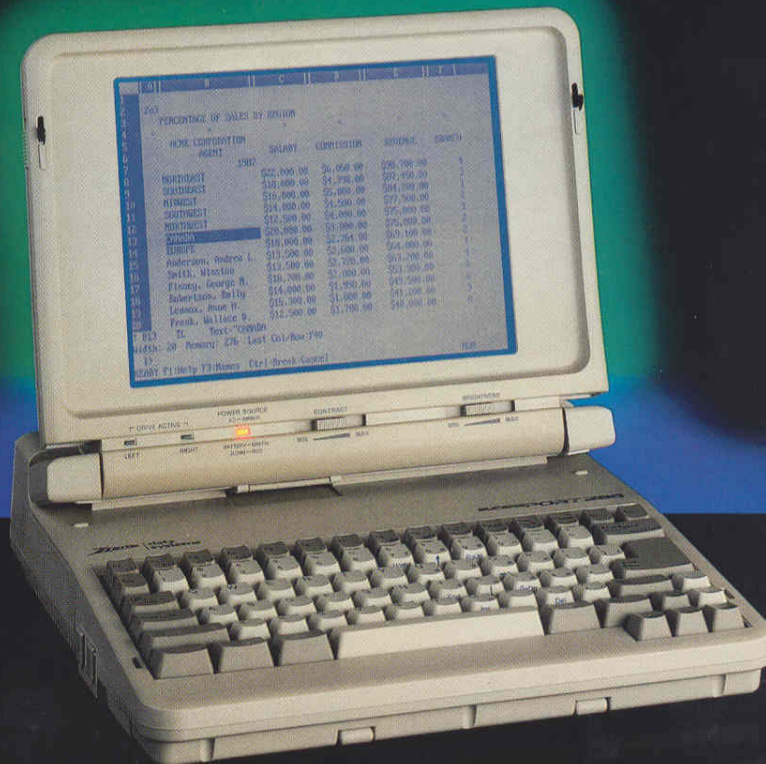
The portable PC that has it all.

For super computing speed in a stream-lined, ultra lightweight package, there's nothing quite like the SupersPort 286 from Zenith Data Systems.

SupersPort 286 features an 80286 processor clocking either 12 or 6 MHz operating at zero wait states—astonishing processing speed that outperforms most 12 MHz desktops today. To complement speed, SupersPort 286 offers 40MB of fast fixed disk storage plus a 1.4MB 3.5" floppy drive with "media sensing" capability for 720K format.

Detachable battery pack for transportable convenience.

SupersPort 286 also features a detach-able nickel cadmium battery for reduced weight and size when a transportable or desktop system is your only require-ment. The battery is rechargeable with high storage capacity for hours of unin-terrupted remote power on one charge. Simple snap-off-and-on design allows you to easily double or triple your usage time with additional battery packs. When the battery is removed, its 12" square footprint makes SupersPort 286 the smallest 80286 desktop available, yet it can rival the performance of any full-sized desktop system.

Uncompromised standard memory capacity with expansion capability.

1MB of memory provides more than enough capacity to run large spread-sheets or operate windowed applica-tions, making SupersPort 286 far more powerful and versatile than many desktop PCs. An additional 1MB RAM expansion board can be accommodated to increase total memory capacity to 2MB. Memory above 1MB is EMS addressable as well as extended mem-ory addressable—essential for MS OS/2 operation.

Zenith's renowned portable display technology.

The most visible feature on the SupersPort 286 is the crisp quality of its backlit Supertwist LCD display. Daz-zling imaging is no surprise as the screen is over one third larger than many other portable displays and offers 640 by 400 pixel resolution for fully

formed, clear characters. The display allows 180-degree smooth tilt to com-pensate for changing light conditions and viewing angles, on your lap or at your desk. The screen lays flat and out of the way when a separate monitor, mounted on an optional monitor stand, is desired. Adjustable contrast and brightness enhance viewing ease and provide greater control over battery life. A built-in video port allows the use of RGB color monitors, particularly for the desktop environment.

Full compatibility with MS-DOS and MS OS/2.

SupersPort 286 runs all current and early versions of MS-DOS® in 3.5" for-mats. Additionally it runs the new MS OS/2 Version 1.0 operating system (first released for the AT environment by Zenith Data Systems), as well as Xenix® and Microsoft® Windows. Soft-ware and data stored on 5.25" disks can be transferred to the SupersPort 286 in several convenient ways: modem-to-modem transfer, disk-to-disk transfer via optional external 5.25" floppy drive, or direct computer-to-computer connection through serial or parallel ports using special data transfer software.

Logical keyboard layout for comfort and familiarity.

The 79-key full-function keyboard is similar to those used with desktop PCs. Its ergonomic design ensures maximum utility, and it provides excellent tactile feedback. Each key is clearly labeled to minimize confusing keyboard func-tions. Standard features include an expanded 256 ASCII character set, embedded numeric keypad, twelve pro-grammable function keys, and green LED indicators to show when specific mode keys are in use. Overlaid func-tions provide full 101-key functionality. A dedicated keypad port also accom-modates an optional 24-key numeric keypad which, when combined with the keyboard, provides a complete 101-style desktop keyboard without compromise.

Peripheral connections mean complete desktop functionality.

With the SupersPort 286, adding all the peripherals you need is a snap. A

standard RS-232C serial port and a Centronics-compatible parallel port per-mit easy connection to printers, mouse devices, plotters and other peripherals. Also standard are a dedicated port for the optional numeric keypad, a video port for RGB color monitors, and an interface port for an external 5.25" floppy drive. In addition, the Z-XBUS expansion chassis includes the optional interface port for the system, and optional internal Hayes-compatible modems provide switchable communi-cations at 300, 1200, and 2400 bps.

Total support from Zenith Data Systems.

Of course, the SupersPort 286 is accompanied by comprehensive docu-mentation from Zenith Data Systems. A limited one year carry-in warranty is standard. Users can obtain complete on-site or off-site service coverage with an exclusive ZDS IQ (Insured Quality) service contract, which can include special swap-out option programs for uninterrupted portable computing per-formance. With hundreds of Zenith Data Systems service centers across the country, you're never far from the service or technical assistance you may require.
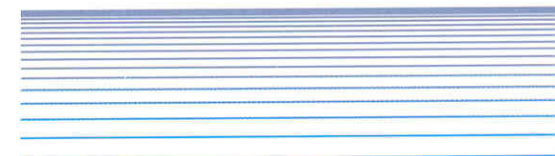
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SupersPort 286 Model 40 Technical Specifications

CPU AND MEMORY

Processor: . . . . 80286 (or 80C286) 16-bit processor—12/6 MHz (switchable), 0 wait states. Socket for 80C287 numeric coprocessors (CMOS coprocessor required).

Operating System: . . . MS-DOS 3 included. Supports MS OS/2 Version 1.0 or Xenix (options).

Memory: . . . . 1MB RAM standard expandable to 2 MB RAM. EMS and extended memory addressable. 64K ROM in slushware (expandable to 128K). 64K video RAM.

DRIVES

Model 40: . . . . One 3.5" 40MB (28ms) fixed disk drive and one 3.5" 1.4MB media sensing floppy disk drive.

Optional: . . . . One external 5.25" 360K floppy disk drive.

VIDEO

Display: . . . . Electroluminescent backlit LCD; 25 line x 80 characters. 10.5" diagonal viewing area with CRT aspect ratio. Adjustable contrast and brightness. 180-degree adjustable tilt. Adjustable backlight time-out feature.

Display Graphics: . . . . 640 x 400 pixel resolution in text, scan-double CGA. Attributes: expanded 256 character ASCII set, full descenders on lower case characters, 8 grey levels, embedded international RAM fonts, reverse video.

Video: . . . . RGB (with intensity) video support standard with 9-pin D connector. "Color" displays are represented by 8 corresponding grey levels.

Keyboard: . . . . Full function keyboard, 79 key logical layout. QWERTY typewriter style with 4 cursor control keys; full ASCII character set; auto repeat; twelve user programmable function keys; calculator keypad overlaid onto keyboard and numeric lock key; plus port for use of separate numeric keypad. LED indicators for CAPS LOCK, NUM LOCK, PAD LOCK and SCROLL LOCK modes.

Date/Time Support: . . Real time clock and calendar.

I/O PORTS

Serial: . . . . 9-pin male D connector; asynchronous RS-232C-compatible. Configurable for COM1 or COM2. Supports 12V peripherals such as mouse devices. User software selectable—
Number of start bits—1
Number of data bits—5, 6, 7, 8
Number of stop bits—1, 1.5 or 2
Baud rate—110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200.
Signals monitored—receive data, clear to send, data set ready, ring detect 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 configurable.

Parallel: . . . . 25-pin female D connector, IBM-compatible.

Video: . . . . 9-pin female D connector for RGB color.

Memory: . . . . Internal 40-pin male connector.

Modem: . . . . Internal 32-pin male DIN connector.

Keypad: . . . . Sub-miniature 5-pin female DIN connector.

Ext. floppy disk drive/tape: . . . . . 25-pin female D connector.

Power: . . . . Connector for AC adapter/charger.

Exp. Slots: . . . . Three internal slots—Three internal slots—1 modem, 1 RAM, expansion bus out.

POWER

AC: . . . . 110/220 VAC (60/50 Hertz) autosensing adapter/charger.

Battery: . . . . 48 WHr NiCad battery pack (adapter/charger and battery included with system); 12 hour recharge, trickle charge while functioning, red flashing low power LED indicator, overcharge and cycling protection.

Intelligent Power Management: . . . . Power control of backlight, mass storage, internal modem, expansion bus, and processor speed.

Operational Range: . . 41-95°F (5-35°C) @ 20-80% humidity (non-condensing).

Storage Range: . . . . . –4-140°F (–20-60°C) @ 20-80% humidity (non-condensing) with 90 minute recovery from extremes.

PHYSICAL

Size: . . . . 12.2"W x 12.2"D x 3.07"H without battery (310mm x 309mm x 78mm).
12.2"W x 15.4"D x 3.07"H with battery (310mm x 382mm x 78mm).

Weight: . . . . Model 40 (w/o battery)—10.5 lbs. (4.9 kg.)
48WHr NiCad battery pack—4.06 lbs. (1.85 kg)

Warranty: . . . . 1 year limited warranty, carry-in.

OPTIONS

ZA-180-62: . . . . Carrying case with pocket.

ZA-180-65: . . . . 48 WHr battery pack.

ZA-180-69: . . . . External battery charger for additional battery charging.

ZA-181-7: . . . . Automobile cigarette lighter adapter.

ZA-181-24 . . . . 2400/1200/300 bps internal modem, Hayes-compatible.

ZA-180-66: . . . . 1MB RAM expansion card with EMS.

ZA-3034-NP: . . . . . . 24-key detachable numeric keypad.

ZAS-180-54: . . . . . . Lightweight 5.25" external floppy disk drive with cable and adapter.

Z-416-2 . . . . NMOS 80287 numeric coprocessor, 10 MHz.

Z-416-SS: . . . . CMOS 80C287 numeric coprocessor.

ZAS-3034-EB: . . . . . 3-slot expansion chassis with cable and connector port for full size PC/XT-compatible cards.

ZA-180-67: . . . . Monitor stand.

TMP-200: . . . . Technical reference manual. (Available Fall, 1988.)

CB-31-5: . . . . Portable series diagnostic software.

TS-81-2: . . . . LAP-LINK plus data transfer software kit.

Specifications subject to change without notice.

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THE QUALITY GOES IN BEFORE THE NAME GOES ON®