ZENITH INNOVATES AGAIN™

Z-386 SX

The **Z-386 SX** from Zenith Data Systems is the cost-effective alternative to full 386 computing. It delivers 32-bit Intel386™ processing capabilities—with backward compatibility to 16-bit hardware and software—at a price comparable to most 286 desktop systems. So you're assured that your investment will be around for many years to come.

Entry-Level 386 Computing.

The Z-386 SX is the ideal desktop system for companies seeking to upgrade and standardize their hardware and software. It offers four big advantages—386 performance, expandability, small footprint, and low cost. It packs a 16MHz 80386SX microprocessor inside its small cabinetry, processing anywhere from 10 to 33% faster than most 8MHz and 12MHz 286 systems. In fact, because of its cache subsystem, Z-386 SX performance is comparable to many 16MHz "true" 386 systems.

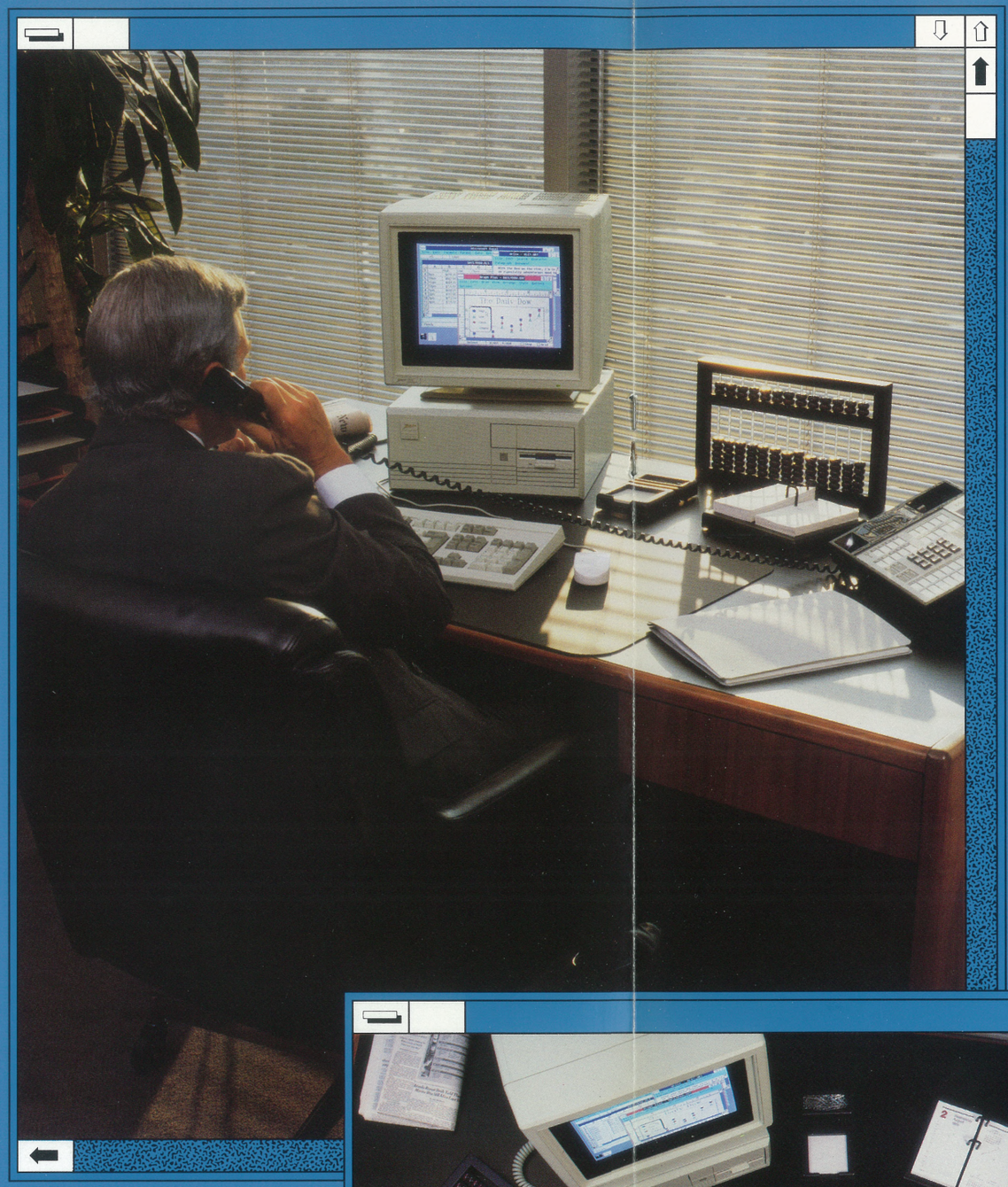
The 80386SX microprocessor is the breakthrough behind the Z-386 SX. This chip incorporates the best of both 286 and 386 processing. Its hybrid architecture combines 32-bit internal

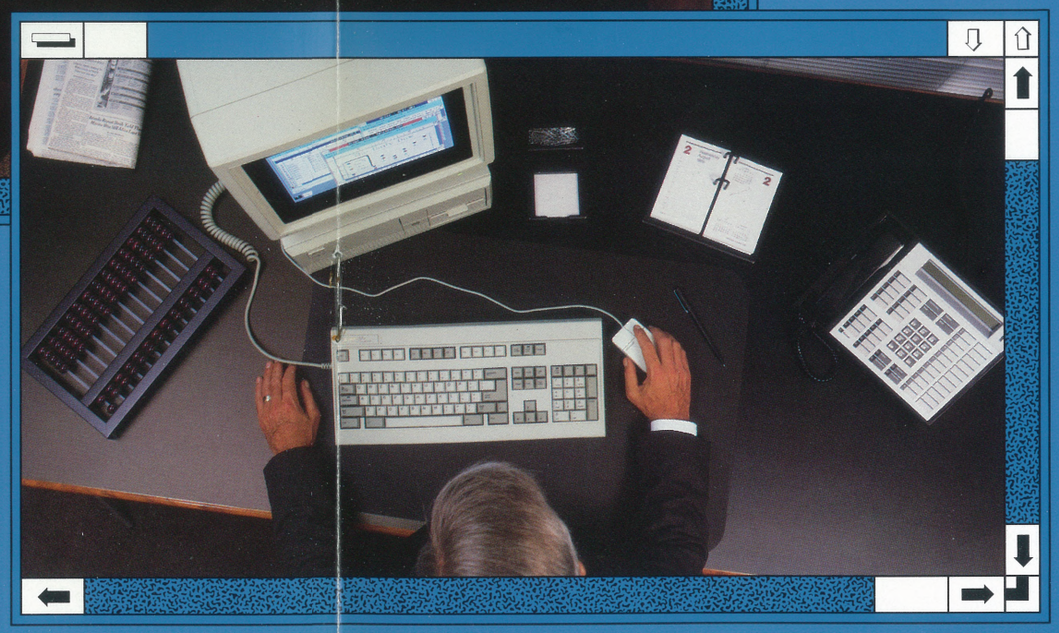
processing with a 16-bit external data bus. 32-bit processing enables the Z-386 SX to run the same 386-based software applications that full fledged 386 machines run, at 70% to 90% of the speed of high-end 386 systems equipped with 32-bit data transfer buses.

The 16-bit data bus is the reason the Z-386 SX is the low cost 386 desktop system. It's engineered from less expensive 16-bit components—like video and disk controllers, memory boards, and bus architectures—so it's smaller and less expensive than other 386 computers. The 16-bit data bus also provides instant compatibility with existing AT peripherals and expansion cards.

More Bang For The Buck.

Because the Z-386 SX supports 32-bit, 16-bit, and 8-bit applications, it offers you greater flexibility in selecting and running software programs. Even if you haven't yet invested in 386-based applications, it locks you into the benefits of 32-bit computing—faster speed, processor-intensive multitasking, and support for increasingly advanced





The Z-386 SX, equipped with Microsoft Windows and up to 16MB of RAM, runs multiple MS-DOS programs lightning fast.

The Z-386 SX packs a 16MHz 80386SX microprocessor and up to five open expansion slots inside its small footprint cabinet.

and graphics-based applications.

With the Z-386 SX, you can run your 16-bit MS-DOS®-based applications or the new "DOS-extended" applications—16-bit software packages like Microsoft® Windows and Paradox that have been modified to run like 32-bit programs. The Z-386 SX lets you take advantage of their increased speed—up to five to eight times faster than 16-bit software counterparts. Microsoft Windows, included standard with Z-386 SX hard disk models, also runs lightning fast, by using memory beyond the 1MB MS-DOS limit. And as 32-bit software development gains momentum, you'll have an even wider selection of powerful software to choose from in the future.

If you're interested in multitasking, the Z-386 SX offers faster, more efficient operations. It runs Microsoft Windows, Desqview 386, VM/386, and other 386-based multitasking products. Because multitasking occurs in virtual mode, the Z-386 SX allows you to run multiple MS-DOS programs faster and more reliably. And

today's multitasking software incorporates graphical user interfaces, so productivity gets an additional boost.

Running With Unix®.

The Unix operating system has been successfully ported to the 32-bit 386 environment. The Z-386 SX is ideal for running SCO™ Unix and SCO Xenix®-based applications, improving performance through its ability to manipulate data in 32-bit, rather than 16-bit, blocks. SCO is not only a recognized standard in the Intel-based Unix/Xenix arena, but offers the largest installed base of commercially available Xenix applications. For software developers and systems integrators, the Z-386 SX and the Unix operating system complement software development efforts.

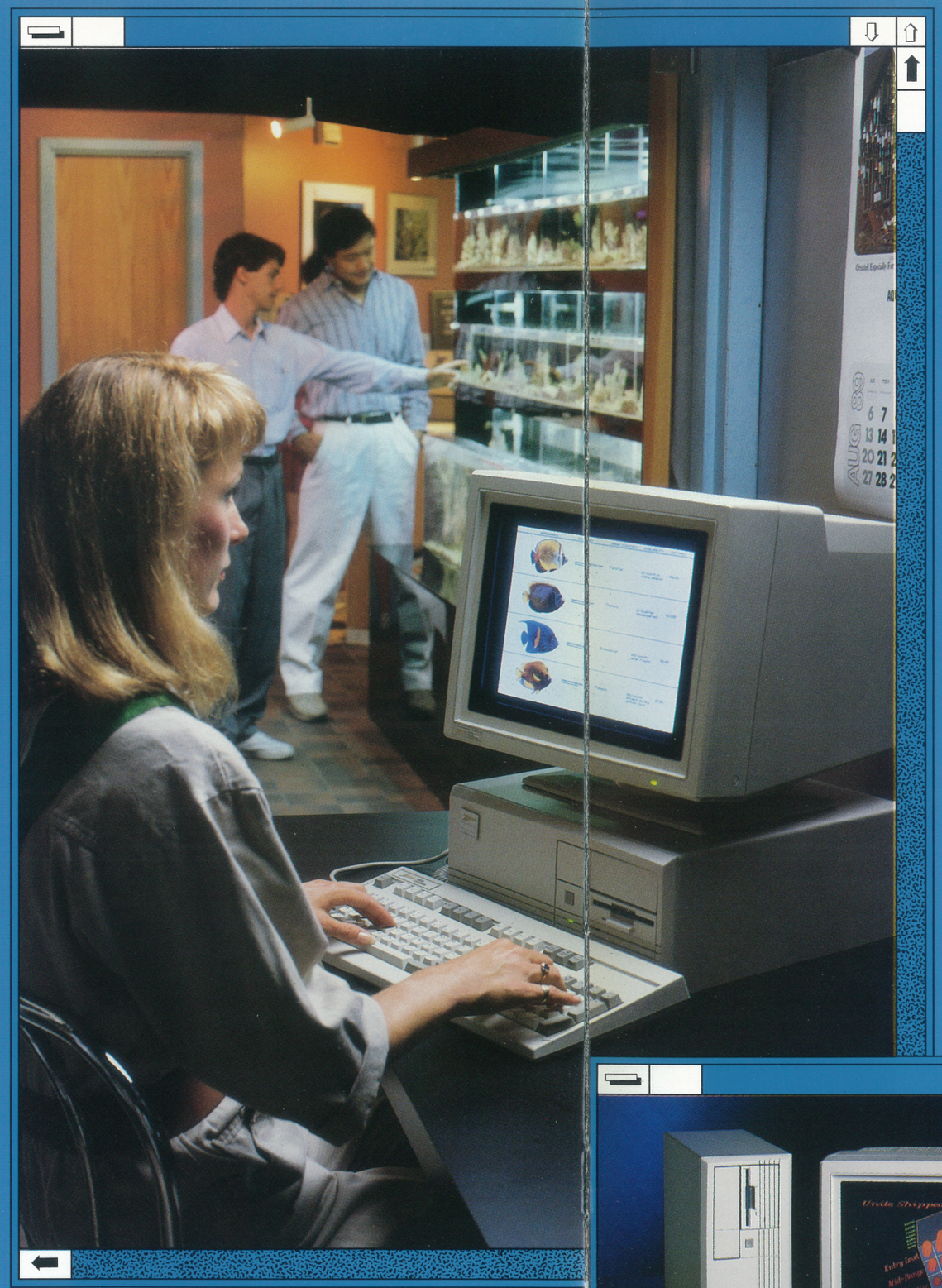
Long Term Advantages.

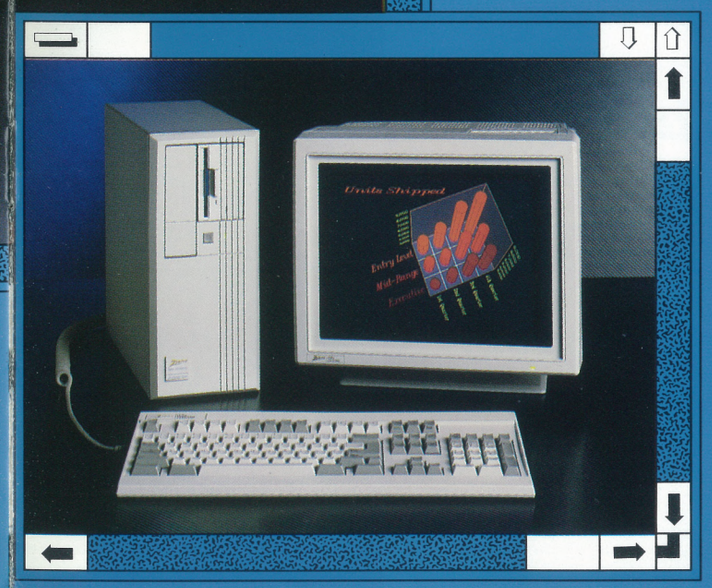
The Z-386 SX comes equipped with 1MB of RAM standard, with expandability up to 8MB of RAM on the system board, and 16MB of total system RAM. So you have more than enough memory to run four MS-DOS applications simultaneously. And with a choice between fast 28ms 40MB or 19ms 80MB hard drives, you'll have plenty of room for large databases and spreadsheets, making the Z-386 SX the ideal tool for statistical and financial analyses.

The Z-386 SX offers four open expansion slots to accommodate AT-compatible cards, so you can add more memory, tie into your company's network, or connect additional peripherals like a scanner for desktop publishing. The open 5.25" floppy disk drive bay allows you to add a second 3.5" or 5.25" floppy disk drive for software compatibility.

Best of all, the Z-386 SX is engineered by Zenith Data Systems, and backed by comprehensive service, technical support, documentation, and a one-year limited warranty with optional IQ extended service plans.

For more information, contact your nearby ZDS Authorized Dealer or call 1-800-842-9000 to locate the ZDS Authorized Dealer nearest you.





Its high capacity hard disk, 1MB of RAM, and caching subsystem make the Z-386 SX ideal for small businesses with large databases.

The Z-386 SX is the entry-level 80386 system, offering 16MHz 80386SX power at a price comparable to 80286 desktop systems.

ZENITH data systems

THE QUALITY GOES IN BEFORE THE NAME GOES ON®

Z-386 SX Technical Specifications

CPU AND MEMORY

Processor:	16MHz 32-bit 80386SX, zero wait state. Optional Intel 80387SX numeric coprocessor.
Memory:	1MB RAM, expandable to 8MB RAM on system board, with maximum of 16MB in system memory.

DRIVES

Floppy Disk Drives:	One 3.5" 1.4MB media sensing floppy disk drive. Optional 5.25" floppy disk drive.
Hard Disk Drives:	40MB (28ms) or 80MB (19ms) hard disk drive options.

I/O PORTS

Serial:	Two 9-pin male D connectors; asynchronous RS-232C compatible.
Parallel:	One 25-pin female D connector, Centronics-compatible.
Video:	9-pin female D connector for VGA color.
Floppy disk drive:	One 1.4MB floppy disk drive, and bezel opening for optional 5.25" 1.4MB or 360K floppy disk drive, or 3.5" 1.4MB or 720K floppy disk drive.
Power:	110/220 VAC, 60/50 Hz, autosensing power supply.
Keyboard:	Full function 101-key keyboard, 12 user-programmable function keys; LED mode indicators.

EXPANSION

Internal:	Four open 16-bit AT/XT slots.

SOFTWARE

Operating System:	MS-DOS, Microsoft Windows.
Optional:	MS OS/2™

VIDEO

Display Graphics:	640 x 480 resolution, VGA-compatible. Attributes: expanded 256 character ASCII set, full descenders on lower case characters, sixteen color levels, embedded international RAM fonts, reverse video.
Video:	VGA video support standard with 9-pin D connector. "Color" displays are represented by corresponding grey levels.

PHYSICAL

Size:	14"W x 15"D x 6"H (35.6cm x 38.1cm x 15.2cm).
Weight:	Model 1—19 lbs. (8.6 kg.)
Operational Range:	59-95°F (15-35°C) @ 20-80% humidity (non-condensing).
Storage Range:	50-110°F (10-40°C) @ 20-80% humidity (non-condensing) with 90 minute recovery from extremes.
Warranty:	1 year limited warranty, carry-in.

ORDER NUMBERS

Z-386 SX Model 1:	One 3.5" 1.4MB media sensing floppy disk drive.
Z-386 SX Model 40:	One 40MB (28ms) hard disk drive and one 3.5" 1.4MB media sensing floppy disk drive.
Z-386 SX Model 80:	One 80MB (19ms) hard disk drive and one 3.5" 1.4MB media sensing floppy disk drive.

OPTIONS

ZA-3700-CI:	80387SX numeric coprocessor.
Z-605-1:	2MB SIMM memory upgrade.
ZA-3700-CS:	Tower stand.
ZD-12:	5.25" 1.2MB floppy disk drive.
TMP-3700:	Technical manual.

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