IBM

Personal System/2
Model 57 SX

Major expansion, minor expense

When your business grows, so do your expenses. But the high-performance Personal System/2® Model 57 SX can help you keep expenses down. Equipped with a 20 MHz Intel386™ SX microprocessor and 4MB of expandable memory, this new Micro Channel® desktop offers capabilities you'd expect only from a more costly computer. And it's fully prepared to grow with your business, thanks to four storage bays and five expansion slots.

Right out of the box, this PS/2® brings you the latest in capacity—like a new 2.88MB diskette drive and a SCSI hard disk. With integrated SCSI support, you can run as many as seven SCSI peripherals off the 57 SX without using a single expansion slot. Mix and match storage media to meet your needs. Boot DOS from a diskette drive, Operating System/2® from a hard disk. Begin with 80 or 160 million bytes of storage and build up to 960 million over time.

However you configure your Model 57 SX, you can confidently use this computer for your most critical and complex business applications. That's because the Micro Channel protects data integrity and promotes reliable performance overall.

Model 57 SX at work

Here are some of the ways you can put Model 57 SX to work for you:

- Increase productivity with OS/2® word processing programs, project management packages, and spreadsheets

- Add SCSI devices to store lots of data, documents and clip art—and support scanners, printers and plotters –for desktop publishing

- Support host-connected applications using enhanced 3270 emulation capabilities and a compatible 122-key keyboard

- Get the most out of your system with busmaster adapters for advanced graphics, imaging and other special tasks

- Handle line-of-business applications in banking, travel and retail—any area where reliability matters most
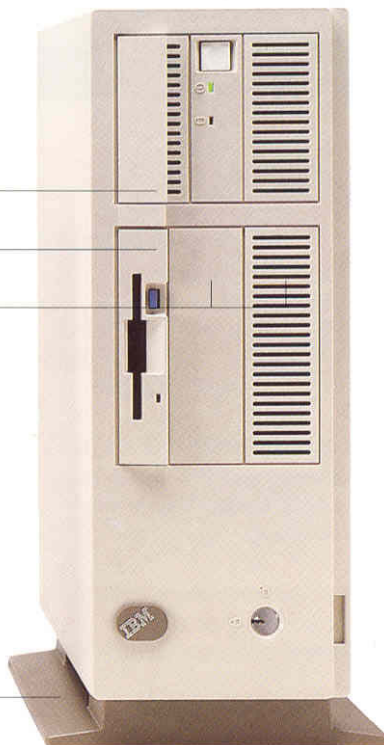
Feature	Benefit
20 MHz i386™ SX microprocessor	• Delivers impressive speed, power and performance—plus support for 32-bit, i386-based applications
Built-in SCSI controller	• Lets you attach as many as seven SCSI devices (both IBM and non-IBM) without using an expansion slot
Five available expansion slots	• Give you room to add more functions to meet changing needs • Increase system potential for host communications, networking and supporting special I/O devices
Four storage bays (two available)	• Make it possible to create a "mixed-media" environment using diskette, hard disk, CD-ROM and read/write optical technology • Allow you to build storage all the way to 960MB—even beyond, with external SCSI drives
2.88MB diskette drive	• Reduces the number of diskettes required to store files and programs and back up your system • Includes media-sense capability for full read/write support of 1MB, 2MB and 4MB diskettes
4MB memory, expandable to 16MB on planar	• Offers plenty of speed plus workspace for large programs and files • Saves expansion slots for other options • Provides ample standard memory for most OS/2 environments
Micro Channel	• Maintains system reliability at the highest levels and protects data integrity • Supports busmaster adapters for improved system throughput and for offloading tasks from the CPU • Provides efficient data paths for fast, balanced performance • Protects your investment by providing a strong platform for future expansion and growth
Initial Machine Load (IML)	• Includes system references and setup instructions on fixed disk, eliminating the need for separate diskettes • Simplifies implementation of future system program upgrades
Selectable boot	• Permits you to boot from any diskette or disk drive, so using different operating systems is simple
Vertical stand	• Allows the system to operate in a vertical position, saving desk space

Bay 4— 80MB or 160MB SCSI
hard disk

Bay 1— 2.88MB diskette drive

Bays 2 and 3 (optional devices)—
3.5" or 5.25" diskette device or
3.5" SCSI device

Vertical stand for optional
vertical position

intel™ inside

IBM Host-Connected Keyboard (122 keys),
available in one of eleven languages

PS/2 Enhanced Keyboard (101 keys), available in
one of eleven languages

Space Saving Keyboard (84 keys), available in
one of three languages (U.S. English, Canadian
French and Spanish)

Wide range of options[1]

	Part no.
Storage devices	
• 3.5" 1.44MB Slim High Diskette Drive	6451130
• 3.5" 2.88MB Slim High Diskette Drive	6451106
• 5.25" 360KB External Diskette Drive	4869001
• 5.25" 1.2MB External Diskette Drive	4869002
• 5.25" 1.2MB Slim High Diskette Drive	6451066
• 60MB SCSI Fixed Disk Drive	6451049
• 80MB SCSI Fixed Disk Drive	6451045
• 120MB SCSI Fixed Disk Drive	6451050
• 160MB SCSI Fixed Disk Drive	6451046
• 320MB SCSI Fixed Disk Drive	6451108
• 400MB SCSI Fixed Disk Drive	6451081
• CD-ROM Drive (internal)	6451113
• External CD-ROM Drive	3510001
• 2.3GB SCSI External Tape Drive	3523023
• Internal Tape Backup Unit	30F5279
• External Storage Enclosure for SCSI Devices	3511003
• SCSI Storage Enclosure	35100V0
Scanners	
• 3117 Scanner	3117010
• 3118 Scanner	3118010/3118020
• 3119 PageScanner	94X2410
Connectivity/communications	
• Token-Ring Network Adapter/A	69X8138
• Token-Ring Network 16/4 Adapter/A	16F1133
• Token-Ring Network 16/4 Trace and Performance Adapter/A	74F5130
• Token-Ring Network Busmaster Adapter	74F4140
• PC Network Baseband Adapter/A	1501223
• PC Network Broadband Adapter II/A	1501222
• PC Network Adapter II/A–Frequency 2	96X5647
• PC Network Adapter II/A–Frequency 3	96X5648
• Realtime Interface Co-Processor Multiport/2 and related features	09F1897[2]
• Realtime Interface Co-Processor Portmaster Adapter/A and related features	53F2601[2]
• X.25 Interface Co-Processor/2	16F1858
• Dual Async Adapter/A	6451013
• Multi-Protocol Adapter/A	6451003
• 3270 Connection	74F3465
• 300/1200/2400 Internal Modem/A	94X1755
• Leased Line Modem	26F1862
• System 36/38 W/S Emulation Adapter/A	69X6279
• System/370™ Channel Emulation Adapter/A	1674899
• Fax Concentrator Adapter/A	94X2530
Graphics and multimedia	
• XGA Display Adapter/A	75X5887
• Display Adapter 8514/A	1887972
• M-Audio Capture/Playback Adapter/A	87F9909
• Video Capture Adapter/A	34F2785
• Enhanced M-Motion Video Adapter/A	95F1091
• Image Adapter/A series	44F9914[2]
Other features	
• Micro Channel SCSI Adapter	6451109
• Micro Channel SCSI Adapter with Cache	6451110
• PS/2 Mouse	6450350

Memory matrix table

Memory on system board	All models
Standard memory	4MB (70ns)
Maximum memory supported*	16MB
System board memory expansion kits	2MB: 70ns (6450902)
	4MB: 70ns (6450128)
	8MB: 70ns (6450130)
Number of memory kits that can be added on system board (available sockets)	2
Memory configurations possible on system board	Various configurations from 4MB to 16MB

* The memory controller automatically supports memory interleaving with configurations of one, two or three 2MB SIMMs; or two or three 4MB SIMMs.

Why PS/2?

Here are some of the reasons why PS/2 stands out as the best solution for your business needs.

Technological leadership through Micro Channel architecture, integrated construction, advanced design and SCSI support for large data storage.

Extensive communications capabilities–through a wide range of connectivity options–provide concurrent support for intelligent communications adapters and coprocessors, thanks to Micro Channel architecture.

Compatibility and expandability to protect your investment since the PS/2s you have today work with existing products and programs and with those you'll need tomorrow.

Service and support that provide you with everything from fast parts delivery to onsite services to 24-hour phone support anywhere in the country–all at a competitive price.

Business Partners who enhance PS/2 capabilities by helping customers choose, customize and configure hardware and software to meet a range of needs.

Quality and reliability that ensure PS/2s are built to perform smoothly and dependably year after year.

IBM Personal System/2 Model 57 SX at a glance

Machine numbers	8557-045	8557-049
Microprocessor		
Standard	80386 SX	80386 SX
Clock speed	20 MHz	20 MHz
Wait states	0-2	0-2
Other functions	Socket for i387™ SX math coprocessor	
Bus architecture	Micro Channel	Micro Channel
Data path	16-bit	16-bit
Memory (RAM)		
Standard	4MB (70ns)	4MB (70ns)
Maximum on		
system board	16MB	16MB
System maximum	16MB	16MB
Integrated functions	16-bit Video Graphics Array (VGA) with display port, serial port, DMA serial port, parallel port, DMA parallel port, keyboard port, pointing device port, diskette controller, SCSI port, SCSI controller	
Available expan. slots	Five 16-bit	Five 16-bit
Diskette storage (internal)		
Standard (3.5-inch)	2.88MB	2.88MB
Optional (3.5-inch)	1.44MB or 2.88MB	1.44MB or 2.88MB
Optional (5.25-inch)	1.2MB	1.2MB
Diskette storage (external)		
Optional (5.25-inch)	360KB or 1.2MB	360KB or 1.2MB
Fixed disk storage (internal)		
Standard	80MB (17ms)	160MB (16ms)
Optional SCSI	Up to two additional 60, 80, 120, 160, 320 or 400MB internal SCSI drives	
Display modes	VGA (includes all EGA, CGA and MCGA modes)	
Text	360 or 720 x 400; 9 x 16 pel character matrix; 80 columns x 25 rows; up to 16 colors	
APA modes	320 x 200 x 256 colors or 64 gray shades; 640 x 480 x 16 colors or 16 gray shades; palette of 256,000 colors or 64 gray shades	
Optional graphics	Expanded graphics modes, including 1,024 x 768 x 256 colors or 64 gray shades, are supported via the PS/2 Display Adapter 8514/A or PS/2 XGA Display Adapter/A and related features; higher resolution modes, up to 1,600 x 1,200, are supported by the PS/2 Image Adapter/A family of adapters	
Supported displays	IBM Personal System/2 Color Displays 8512, 8513, 8514, 8515 and 8516; IBM Personal System/2 Monochrome Displays 8504, 8506,³ 8507 and 8508³	
Supported printers/ plotters	IBM Proprinter® family, IBM LaserPrinter family, IBM ExecJet™ Printer, IBM Quietwriter® family, IBM Quickwriter,® IBM Page Printer 3812/3816, IBM Personal Page Printer, IBM PS/1™ Printer, IBM 618X and 737X Color Plotters	
Choice of keyboards⁴	PS/2 Enhanced Keyboard (1393990): 101 keys, including 12 function keys, 3 lighted mode indicators; Space Saving Keyboard (1396050): 84 keys, including 12 function keys; IBM Host-Connected Keyboard (1396400): 122 keys;⁵ a 3-meter keyboard cable is standard with all keyboards	
Power supply	197-watt worldwide, manual switch setting	
Operating systems	DOS 5.0, IBM Operating System/2 Standard or Extended Edition 1.3 (at refresh level 1.30.1), OS/2 LAN Server 1.3	
Size	Approx. 6.7"H x 17.3"W x 15.5"D (169mm x 440mm x 394mm); 32 lbs. (14.5 kg)	
Warranty	One-year limited warranty	