

# IBM PS/2 (Model 65 SX) - Technical Specifications

## IBM Personal System/2 Model 65 SX



### General information

Machine type: 8565

Announce date: March 20, 1990

### Excerpt from the original announcement letter;

"IBM introduces two new Micro Channel (TM) Architecture models based on the popular Intel TM 80386 SX processor, the IBM Personal System/2 Model 65 SX 8565-061 and the 8565-121. These floorstanding systems utilize the 80386SX processor running at a clock speed of 16MHz. Standard features include a 1.44MB, 3.5-inch, half-high diskette drive, VGA graphics and 2MB of memory on the system board. The fixed disk drive controller is the newly introduced Small Computer System Interface (SCSI), the PS/2 Micro Channel SCSI Adapter. This bus master adapter provides additional expansion capability while providing an interface for the new 3.5-inch, half-high SCSI fixed disk drives of either 60MB (8565-061) or 120MB (8565-121). Both models can be expanded to 8MB of memory on the system board and support up to 16MB of system memory. "

### System characteristics

Microprocessor: Intel 80386sx (32 bit)

Clock speed: 16 MHz

Coprocessor: socket for optional i80387 math coprocessor

Type of BUS: 16-bit MCA (Micro Channel)

Total number of expansion slots: 8 (7 available) floor standing tower case

Ports: PS/2 keyboard, PS/2 mouse, serial, parallel, VGA

### Memory

Min/Max on system board: 2/8MB (expandable to 16MB with memory options)

Type of memory:

RAM: DRAM (72-pin PS/2 SIMM) 100ns parity checked (2 sockets, 1 available)

ROM: 128kb

Cache: n/a

## Physical description

Power supply: 250w, 110-220VAC auto sense  
Weight: 20.6kg (45.3 lbs) (with one fixed disk)  
Dimensions (HxWxD): (597 x 166 x 483mm)

## Mass storage

Drive bays: 5/6 (4 3.5" half-height (2 accessible), 1 5.25" full height (or 2 3.5" HH))  
Floppy Disk  
Size: 3.5 inch half-height  
Capacity: 1.44MB  
Hard disk  
Size: 3.5 inch half-height  
Capacity: 60MB (061), 120MB (121)  
Access time: 23ms  
Interface: PS/2 Micro Channel SCSI Adapter - as standard DASD controller

## Display

Size:  
Display type: Optional Analog CRT  
Graphics modes supported: Integrated VGA Display adapter

320x200, 256 colours  
640x480, 16 colours

## Keyboard

Type: 101 key enhanced

## Software

Operating system: IBM PC DOS Versions 3.30 or higher

## Configurations

Various memory, diskette drive, hard drive, monitor, and keyboard configurations including:  
8565-061 - System unit 386sx-16, 2MB RAM, 60MB SCSI hardfile, 1.44MB, 101 keyboard  
8565-121 - System unit 386sx-16, 2MB RAM, 120MB SCSI hardfile, 1.44MB, 101 keyboard

## Options

IBM Personal System/2 2-8MB Memory 80286 Expansion Option Adapter/A  
IBM Personal System/2 1MB Memory Module Kit-85ns (6450603)  
IBM Personal System/2 2MB Memory Module Kit-85ns (6450604)  
IBM Personal System/2 4MB Memory Module Kit (34F2933)  
IBM PS/2 SCSI Fixed Disk Drive Kit A (6451053) (converts 5.25" bay to 2 x 3.5" bays)  
IBM Personal System/2 320MB SCSI Fixed Disk Drive (6451055)  
IBM Personal System/2 Micro Channel SCSI Adapter (6451005)  
IBM Personal System/2 Micro Channel SCSI Adapter with Cache (6451018)  
IBM Personal System/2 Micro Channel SCSI Adapter External Terminator  
IBM Personal System/2 CD-ROM Drive (6450845)  
IBM Personal System/2 CD-ROM Drive Kit A (6450847)  
IBM Personal System/2 External CD-ROM Drive (3510-001)  
IBM 3363 Internal Optical Disk Drive  
Personal System/2 1.44MB Diskette Drive (#6450353)

Personal System/2 Mouse (#6450350)  
Personal System/2 Dual Async Adapter/A (#6450347)  
Personal System/2 Multi-Protocol Adapter/A (#6450348)  
Personal System/2 300/1200 Internal Modem/A (#6450349)  
Personal System/2 Monochrome Display 8503 (8503001)  
Personal System/2 Color Display 8512 (8512001)  
Personal System/2 Color Display 8513 (8513001)  
Personal System/2 Color Display 8514 (8514001)  
Personal System/2 5.25-inch External Diskette Drive Adapter/A (#6450245)  
Personal System/2 3117 Adapter/A (#65X1925)  
Personal System/2 High Speed Adapter/A (RS-422A)(#65X1905)  
IBM 6157 Tape Drive Adapter (#92X1458)  
Personal System/2 Display Adapter 8514/A (#1887972)  
Personal System/2 8514 Memory Expansion Kit (#1887989)  
IBM 3270 Connection (#83X9702)  
System 36/38 Work Station Emulation for the Personal System/2 /A Installation Convenience Kit Version 1.0 (#69X6287)  
System 36/38 Work Station Emulation for the Personal System/2 /A Adapter & Quick Reference (#69X6279)  
Personal System/2 PC Network Baseband Adapter/A (#1501223)  
Personal System/2 PC Network Adapter II/A (#1501222)  
Personal System/2 Token-Ring Network Adapter/A (#69X8138)  
Personal System/2 Data Migration Facility (#1501224)

Plus many more IBM and 3rd party adapter cards...

Note: Options may no longer be available from IBM.