IBM PS/2 (Model 50) - Technical Specifications

IBM Personal System/2 Model 50

General information
Machine type: 8550
Announce date: April 2, 1987

Excerpt from the original announcement letter;

"The Personal System/2 Model 50 (IBM 8550) introduces advanced design and technology and a new MICRO CHANNEL (TM) ARCHITECTURE to provide significant price/performance enhancements for desktop computing and workstations. The 10MHz INTEL 80286 microprocessor offers application growth capabilities and is designed to maintain software compatibility with most current IBM personal computer programs. A high level of feature integration on the system board reduces optional adapter requirements. When configured with the new analog displays, the IBM 8550's new integrated Video Graphics Array (VGA) provides enhanced performance, increased display functions, and increased color availability. The system includes a 1.44MB, 3.5-inch diskette drive and a 20MB fixed disk drive. Besides the new mouse, memory, math co-processor, and diskette drive options, new connectivity options (dual asynchronous, multi-protocol, and modem adapters, and other options) allow the IBM 8550 to communicate with a variety of hosts and networks."

System Characteristics
Microprocessor: Intel 80286 (16 bit)
Clock speed: 10 MHz, one wait state
Coprocessor: socket for optional i80287 math coprocessor
Type of BUS: 16-bit MCA (Micro Channel)
Total number of expansion slots: 4
Ports: PS/2 keyboard, PS/2 mouse, serial, parallel, VGA

Memory

Min/Max on system board: 1MB (expandable to 7MB with memory options)
Type of memory:
RAM: DRAM (2 x PS/2 30-pin 512kb module) approx. 150ns w. parity.
ROM: 128kb
Cache: n/a

Physical description
Power supply: 94w, 110-220VAC auto sense
Weight: 9.55 kg (21 lbs)
Dimensions (HxWxD): (140 x 360 x 420mm)

Mass storage
Drive bays: 3 3.5" half-height
Floppy Disk
Size: 3.5 inch half-height
Capacity: 1.44MB
Hard disk
Size: 3.5 inch half-height
Capacity: 20MB
Access time: 80ms
Interface: ST-506 PS/2 model 50 connector

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;
8550-021 - System unit, 1MB RAM, 20MB hardfile, 1.44MB, 101 keyboard

Options

Personal System/2 80287 Math Co-Processor (#6450356)
Personal System/2 80286 Memory Expansion Option (#6450344)
Personal System/2 80286 Memory Expansion Kit (#6450345)
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 are no longer available from IBM.