IBM PS/2 (Model 70) - Technical Specifications

IBM Personal System/2 Model 70

Inside the 8570

General information
Machine type: 8570
Announce date: June 2, 1988

Excerpt from the original announcement letter;

"The Personal System/2 Model 70 enhances the IBM Personal System/2 family of systems by offering a new level of performance in a desktop unit. The system is highlighted by the Micro Channel(TM) Architecture with a 16 or 20MHz 80386 32-bit microprocessor, high density memory technology, and a wide range of integrated features. With the capability of supporting up to 16MB of high speed real memory, 60MB (Model E61) or 120MB (Model 121) of disk storage, advanced graphics (VGA), and an optional 80387 Math Co-Processor, this system provides significant performance enhancements for desktop computer operations. It maintains compatibility with most existing software products for Personal Computer systems."

System characteristics
Microprocessor: Intel 80386 (32 bit, "DX" processor)
Clock speed: 16 MHz (E21), 20Mhz (1xx models), 25Mhz (Axx models)
Coprocessor: socket for optional i80387 math coprocessor
Type of BUS: 16/32-bit Micro Channel (1 16-bit, 2 32-bit slots)
Total number of expansion slots: 3 (desktop case)
Ports: PS/2 keyboard, PS/2 mouse, serial, parallel, VGA

Memory
Min/Max on system board: 1/6MB (Exx,1xx), 2/8MB (Axx) (expandable to 16MB with

memory options)
Type of memory:
RAM: DRAM (PS/2 72-pin SIMM) 85ns parity checked (3 sockets (4 on Axx models for 80ns SIMMS))
ROM: 128kb
Cache: 0kb (Exx), 0kb (1xx), 64kb SRAM L2 cache (Axx only)

Physical description
Power supply: 132w, 110-220VAC auto sense
Weight: 9.5 Kg (21 lbs.)
Dimensions (HxWxD): (140 x 360 x 420mm)

Mass storage
Drive bays: 3 (3.5" half-height (2 accessible))
Floppy Disk
Size: 3.5 inch half-height
Capacity: 1.44MB
Hard disk
Size: 3.5 inch half-height
Capacity: 60MB, 120MB,
Access time: 27ms, 23ms
Interface: ESDI

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, OS/2 1.0SE or higher, AIX PS/2

Configurations
Various memory, diskette drive, hard drive, monitor, and keyboard configurations including;
8570-E61 - System Unit 386-16, 1MB, 60MB, 1.44, 101 keyboard
8570-121 - System Unit 386-20, 2MB, 120MB, 1.44, 101 keyboard
8570-061 - System Unit 386-20, 2MB, 60MB, 1.44, 101 keyboard
8570-A61 - System Unit 386-25 w. 64kb cache, 2MB, 60MB, 1.44, 101 keyboard
8570-A21 - System Unit 386-25 w. 64kb cache, 2MB, 120MB, 1.44, 101 keyboard

Options

IBM Personal System/2 2-8MB 80386 Memory Expansion Option (6450605)
IBM Personal System/2 1MB Memory Module Kit-85ns (6450603)(supported on the 2-8MB 80386 Memory Expansion Option only in Axx models)

IBM Personal System/2 2MB Memory Module Kit-85ns (6450604)(supported on the 2-8MB 80386 Memory Expansion Option only in Axx models)
80386 Memory Expansion Option (6450367)
80386 Memory Expansion Kit (6450372)
1.44MB Diskette Drive (6450353)
Mouse (6450350)
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.