

IBM PS/2 (Model 40 SX) - Technical Specifications

IBM Personal System/2 Model 40 SX



General information

Machine type: 8540

Announce date: June, 1991

Excerpt from the original announcement letter;

" The Personal System/2 (R) (PS/2 (R)) Model 40 SX system unit is an enhanced version of the IBM PS/2 Model 30 286 and features the 80386SX microprocessor, 2MB system board memory (expandable to 16MB on planar), new 3.5-inch DASD options, five slots and four bays and 16-bit video graphics array (VGA). The 80386SX microprocessor operates at 20MHz with zero to two wait states to system memory. "

System characteristics

Microprocessor: Intel 80386sx (32 bit)

Clock speed: 20 MHz, 0-2 wait states

Coprocessor: socket for optional i80387 math coprocessor

Type of BUS: 16-bit (AT BUS)

Total number of expansion slots: 5

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

Memory

Min/Max on system board: 2/16MB

Type of memory:

RAM: DRAM (PS/2 72 pin SIMM) 85ns w. parity. (3 sockets, 2 available)

ROM: ?

Cache: n/a

Physical description

Power supply: 197w, 110/220VAC switchable

Weight: 12.6kg (27.8 lbs) (Diskette and hardfile model)

Dimensions (HxWxD): (169 x 440 x 394mm)

Mass storage

Drive bays: 4 (1 x 3.5", 3 x 5.25")

Floppy Disk

Size: 3.5 inch slim-height

Capacity: 1.44MB

Hard disk

Size: 3.5 inch half-height

Capacity: 0MB (model 040), 40MB (model 043), 80MB (model 045)

Access time: 17ms

Interface: AT-IDE

Display

Size:

Display type:

Graphics modes supported: Integrated 16-bit VGA Display adapter

Keyboard

Type: 101 key enhanced or 122 key host connect

Software

Operating system: IBM PC DOS Versions 3.30, 4.01, 5.0, OS/2 1.3EE, OS/2 1.3SE or higher

Configurations

Various memory, diskette drive, hard drive, monitor, and keyboard configurations including;

8540-040 - 386sx20,2MB,1.44MB

8540-043 - 386sx20,2MB,40MB,1.44MB

8540-045 - 386sx20,2MB,80MB,1.44MB

Options

IBM Personal System/2 8MB Memory Module Kit-80ns 1401 6450129

IBM Personal System/2 4MB Memory Module Kit-80ns 3933 87F9977

IBM Personal System/2 1MB Memory Module Kit-85ns 5212 6450603

IBM Personal System/2 2MB Memory Module Kit-85ns 5213 6450604

IBM Personal System/2 2MB Memory Module Kit-80ns 5214 6450608

IBM Personal System/2 2MB Memory Module Kit-70ns 0129 6450902

IBM Personal System/2 4MB Memory Module Kit-70ns 0128 6450128

IBM Personal System/2 8MB Memory Module Kit-70ns 5116 6450130

Communications/Connectivity	Feature Number	Part Number
Serial/Parallel Adapter	215	6450215
IBM SDLC Communications Adapter	1205	1501205
IBM PC Network Adapter II	1220	1501220
IBM PC Network Baseband Adapter	1221	1501221

IBM Enhanced 5250 Display Station Emulation Adapter Kit, Version 2.2	2911	30F5383
IBM Enhanced 5250 Emulation Adapter and Cable Kit	5622	30F5622
IBM S/370 (TM) Channel Emulator Card	3200	6193413
IBM 3278/3279 Emulation Adapter	5050	53F6425
IBM Realtime Interface Co-Processor (128KB)	6165	85X2710
IBM Realtime Interface Co-Processor (512KB)	6166	85X2706
IBM Realtime Interface Co-Processor Multiport (128KB)	6241	00F5527
IBM Realtime Interface Co-Processor Multiport, Model 2 (1MB)	6590	33F8791
IBM Realtime Interface Co-Processor RS-232C Interface Board	6051	60X8738
IBM Realtime Interface Co-Processor CCITT V.35 Interface Board	6053	67X1256

Description	Feature Number	Part Number
IBM Realtime Interface Co-Processor RS-422A Interface Board	6064	67X1255
IBM Realtime Interface Co-Processor 20 mA Current Loop Interface Board	6066	67X1257
IBM Realtime Interface Co-Processor 128K Memory Expansion	6055	60X8199
IBM Realtime Interface Co-Processor 512K Memory Expansion	6161	76X1019
IBM Realtime Interface Co-Processor Multiport 512K Memory Expansion	6242	00F5529
IBM Realtime Interface Co-Processor Multiport Four Port RS-422 Addition	6243	09F1989
IBM Realtime Interface Co-Processor Multiport Four Port RS-232 Addition	6245	00F5530
IBM Realtime Interface Co-Processor Surge Protection Adapter	6361	53F2625
IBM Realtime Interface Co-Processor 8 Port RS-232 Interface Board/A	6362	53F2610
IBM Realtime Interface Co-Processor 8 Port RS-422 Interface Board/A	6363	53F2613
IBM Realtime Interface Co-Processor Selectable Interface	6365	53F2616

Board/A		
IBM Realtime Interface Co-Processor 8 Port RS-232 Interface Board/A HML	6206	33F5338
IBM Realtime Interface Co-Processor 8 Port RS-422 Interface Board/A HML	6207	33F5339
IBM Realtime Interface Co-Processor Selectable Interface Board/A HML	6208	33F5340
IBM Token Ring Network 16/4 Adapter	7367	25F7367
IBM Token Ring Network PC Adapter II	9858	25F9858
IBM PC 5178-001 Network Translator Unit		5178001
IBM PC 5841-001 1200 Baud Modem (external)		5841001
IBM PC 5853-001 2400 Baud Modem (external)		5853001
IBM PC 8228-001 Token-Ring Network Multi-Station Access Unit		8228001

Plus many more IBM and 3rd party adapter cards...
Note: Options are no longer available from IBM.