

# IBM PS/2 (Model 50 Z) - Technical Specifications

## IBM Personal System/2 Model 50 Z



### General information

Machine type: 8550

Announce date: June 2, 1988

### Excerpt from the original announcement letter;

"The new IBM Personal System/2 Models 50 Z will enhance the IBM Personal System/2 Family of desktop systems by offering improved performance and hardfile capacity. The systems are highlighted by the Micro Channel (TM) Architecture with a 10Mhz 80286 16 bit microprocessor, high density memory technology, and a wide range of integrated features. New high speed (85ns) memory will provide zero wait state processor performance and may be upgraded for 2MB of memory on the system board. New 30MB (50-031) and 60MB (50-061) hardfiles provide greater capacity and improved average access time over the 8550-021. These systems maintain compatibility with most PS/2 Model 50 features and Operating Systems."

### System characteristics

Microprocessor: Intel 80286 (16 bit)

Clock speed: 10 MHz, zero 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: 1/2MB (16MB max. using adapter cards)

Type of memory:

RAM: DRAM (PS/2 72-pin MMK) 85ns or 120ns parity checked

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: 30MB (39ms) / 60MB (27ms)

Access time:

Interface: ST-506 (30MB), ESDI (60MB) 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;

8550-031 - System Unit 286-10Mhz,1MB,30MB,1.44MB

8550-061 - System Unit 286-10Mhz,1MB,60MB,1.44MB

### **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.