IBM PS/2 (Model 25) - Technical Specifications

General information
Machine type: 8525
Announce date: August, 1987
List price: $2,095.00 (8525-001), 2,595.00 (8525-004)

Excerpt from the original announcement letter;

The Personal System/2 Model 25 is a low price general-purpose computer system which provides enhanced function beyond that established by the IBM Personal Computer. This system utilizes a single element system unit and display design which allows for maximum utilization of desk space and provides high quality graphics consistent with the Personal System/2 family of analog displays. The system is further enhanced with the previously announced IBM Space Saving Keyboard designed for high productivity and with superior touch, or the Personal System/2 Enhanced Keyboard.

System Characteristics
Microprocessor: Intel 8086 (16 bit)
Clock speed: 8 MHz, zero wait states
Coprocessor: socket for optional i8087 math coprocessor
Type of BUS: 8-bit
Total number of expansion slots: 2
Ports: PS/2 keyboard, PS/2 mouse, serial, parallel, audio earphone connector

Memory
Min/Max on system board: 512/640kb
Type of memory:
RAM: DRAM (DIP and MMK) 100-150ns w. parity.
ROM: 40 or 64kb w. MS BASIC-80
Cache: n/a

Physical description

Power supply: 90w (Models 001, C02), 115w (Models 004, C05), 110/220VAC switchable
Weight: 8525-001: 12.7kg (28 lbs), 8525-004: 16.8kg (37 lbs)
Dimensions (HxWxD): (382 x 320 x 375mm)

Mass storage
Drive bays: 2 3.5" half-height
Floppy Disk
Size: 3.5 inch half-height
Capacity: 720KB
Hard disk
Size: 3.5 inch half-height
Capacity: Optional 20MB 80ms or 20MB 38ms
Access time:
Interface: ST-506 PS/2 model 25/30 connector

Display
Size: 12 inch (diagonal)
Display type: Integrated monochrome (models 001, C01) or colour (models 004, C05) analog CRT display
Graphics modes supported: Integrated MCGA Display adapter
64K multiport RAM for displays
CGA compatible (31.5KHz double scanned)
New modes: (31.5KHz)
- 40 by 25 by 16 colours - text (8 X 16 character box)
- 80 by 25 by 16 colours - text (8 X 16 character box)
- 320 by 200 by 256 colours - all points addressable
- 640 by 480 by 2 colours - all points addressable
Palette of 262,144 colours
- Analog drive to internal display
- 70Hz refresh rate in all but 640 by 480 mode
- 60Hz refresh rate for 640 by 480 mode
- Not compatible with digital displays
- Loadable character font capability (512 characters in text modes)
- Colour summing to 64 gray shades in BIOS for monochrome display

Keyboard
Type: Space Saving Keyboard or 101 key enhanced

Software
Operating system: IBM PC DOS Versions 3.30 and later

Configurations
Various memory, diskette drive, hard drive, monitor, and keyboard configurations including;
8525-001 - Single element central processing unit with 12 inch monochrome analog display, 512KB, one 3.5-inch 720KB diskette drive, IBM Space Saving Keyboard.
8525-G01 - As above with Enhanced 101 key keyboard.
8525-F01 - Canadian French with space saving keyboard.
8525-F02 - Canadian French with Enhanced keyboard.
8525-004 - Single element central processing unit with 12 inch colour analog display, 512KB, one 3.5-inch 720KB diskette drive, IBM Space Saving Keyboard.

8525-G04 - As above with Enhanced 101 key keyboard.
8525-F04 - Canadian French with space saving keyboard.
8525-F05 - Canadian French with Enhanced keyboard.

Options

PERSONAL SYSTEM/2 COLLEGIATE KIT
The Personal System/2 Collegiate Kit (#6024772) is comprised of:
- IBM Personal System/2 Mouse
- As a convenience to the end user, IBM has configured portions of the DOS 3.30 and Microsoft(R) Windows 1.04 programs onto diskettes. Additionally, other copyrighted programming materials are provided on diskettes for ease of use and performance optimization. - Four blank 3.5-inch diskettes
- IBM DOS 3.30
- Full Microsoft(R) Windows 1.04, an interactive system environment manager

Carrying Case 78X8954
128KB Memory Expansion Kit 78X8955
3.5-inch (720KB) Diskette Drive 78X8956
Plus many more IBM and 3rd party adapter cards...