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IBM PS/ValuePoint

**Hardware Maintenance
Service and Reference Supplement
Model 6384 Computer 486DX2 66/33MHz**

October 1992

This supplement contains a system board layout, system board description, and parts listing for the IBM PS/ValuePoint Model 6384 486DX2 66/33MH computer. Also included is a correction to the Model 6384 486DX 33MHz system board part number.

This supplement updates the IBM PS/ValuePoint *Hardware Maintenance Service and Reference* manual (part number 52G9982, form number S52G-9982-00).

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1.0 Introduction

This supplement contains a system board layout, system board description, and parts listing for the IBM PS/ValuePoint Model 6384 486DX2 66/33MHz computer. Also included is a correction to the Model 6384 486DX 33MHz system board part number.

2.0 486DX2 66/33MHz System Board

PICTURE 1

3.0 486DX2 33MHz System Board Layout

BT1	Battery
J2	External Battery
J3	Power Connector
J4	Serial Port (Comm A)
J5	Serial Port (Comm B)
J6	Diskette Connector
J7	Parallel Port
J8	Hard Disk Connector
J9	Keyboard Connector
J10	Mouse Port
J11	Hard Disk LED (pin 4 and 5) Power On LED (pin 1 and 2)
J12	Riser Connector
J15	Video Feature Connector
J16	Video Port
J45	SIMM Socket Bank 0, 0
J46	SIMM Socket Bank 0, 1
J47	SIMM Socket Bank 0, 2
J48	SIMM Socket Bank 0, 3
J49	SIMM Socket Bank 1, 0
J50	SIMM Socket Bank 1, 1
J51	SIMM Socket Bank 1, 2
J52	SIMM Socket Bank 1, 3
JP4	BIOS Select
JP8	Battery Select
JP10	VGA Enable
JP20	Beeper Enable
JP200	Cache Configuration
JP201	Cache Configuration
JP206	Cache Configuration
JP207	Cache Configuration
JP209	Mouse Enable
U300	486DX2 Processor

Note: Jumpers are marked in black and should be in positions as shown.

4.0 System Board Description

486DX2 66/33MHz (runs internally at 66MHz)

- Supports 8K internal cache and 128K external cache. (Not field upgradeable.)
- RAM is installed directly onto the system board using industry standard 30-pin 80 ns SIMMs. There are two banks of four sockets to allow a maximum of 32MB. 256KB, 1MB and 4MB SIMMs are supported in both banks. One or both banks must be filled with the same value SIMMs to work properly.
- 1MB of Video RAM is soldered on the system board.
- Ports include: two serial, parallel, keyboard, mouse, and video.
- Connectors for AT riser card (120-pin), input power (12-pin), AT diskette drives (34-pin), IDE AT hard disk drives (40-pin), power LED (2-pin), hard disk LED (2-pin), and video feature (26-pin).
- Lithium battery.

5.0 System Board Parts Listing

System Board, 486DX2 66/33MHz	52G8770
System Board, 486DX 33MHz	52G8780

Notes:

1. If you replace a system board that has a processor upgrade installed, be sure to move the processor upgrade to the new system board.
2. A processor must be returned with every defective system board.