

IBM PS/2 Model 53

IBM® PS/2®:	53 486SLC2	53LS 486SLC2																																																																								
Type	9553	9553 LAN Station																																																																								
Models	0B7	1BX 2BX																																																																								
Disk - size / speed	120MB 14 ms	No disk																																																																								
Standard adapter	None	Ethernet 10BaseT 16/4 Token-Ring																																																																								
Price (retail USD)	\$ 795 ↘	\$ 667 ↘																																																																								
Available date	November 1993	November 1993																																																																								
Processor / MHz	All: 486SLC2 - 50/25 MHz																																																																									
Processor upgrade(s)	All: None																																																																									
Math coprocessor	All: Open socket for 387SX - 25 MHz																																																																									
L2 cache - std / max	All: 0 KB / 0 KB																																																																									
L2 cache - write policy	All: N/A																																																																									
L2 cache - method	All: N/A																																																																									
Memory - std / max	All: 4 / 16 MB																																																																									
Memory - speed / pins	All: 70 ns / 72 pin																																																																									
Mem - supported SIMMs	All: 70 ns speed only (supports 2, 4, 8, MB parity SIMMs)																																																																									
Mem - total sockets / avail	All: 3 sockets / 2 available (one 4 MB parity SIMM is standard)																																																																									
Memory - type	All: Parity																																																																									
Disk controller	All: IDE	All: Maximum disk capacity																																																																								
Controller implementation	All: 16 bit controller on planar	Internal: 1.05 GB with two 527 MB IDE disks Internal/external: 43.05 GB by using three SCSI adapters, three external 3511-0V0 External Enclosures with 21 IBM 2.0 GB SCSI-2 disks (42 GB).																																																																								
Architecture	All: Micro Channel®																																																																									
MCA slots / available	3 slots / 3 available	3 slots / 2 available (LAN adapter in one slot)																																																																								
Bays / available	3 bays / 1 bay available (diskette, disk use two)	3 bays / 3 available																																																																								
Diskette drive	1.44 MB 3.5" diskette drive / media sense to correctly format, read, write 1 and 2 MB diskettes	None																																																																								
Serial port	All: One 25 pin serial port / DMA support / UART 16550A / 57.6 KBps maximum supported speed																																																																									
Parallel port	All: One parallel port / DMA support / bidirectional / 100 KBps maximum supported speed																																																																									
Graphics - controller/vendor	All: GD5426 SVGA accelerator / Cirrus Logic®	System rated at 13 Graphics WinMarks																																																																								
Graphics - arch / data path	All: Micro Channel / 16 bit (on planar)	SVGA graphics controller meets ISO 9241-3 requirements																																																																								
Graphics - memory std/max	All: 1 MB / 1 MB (DRAM memory) 70 ns	Power managed display support for VESA DPMS compatible displays																																																																								
Security	All: No Privileged-access password: All: Yes ① restricts access to system programs; All: Yes ② stops system after a POST error also All: Yes restricting access to system programs; All: Yes ③ prohibits unauthorized modifications to hardware																																																																									
Tamper evident cover	All: No	All: Vital Product Data (VPD) enabled for unique ID (model/submodel); Type/model/serial number; Planar serial number; Manufacturing ID; Planar FRU number; Planar part number.																																																																								
Privileged-access passwd	All: Yes																																																																									
Power-on password	All: Yes																																																																									
Cover key lock	All: Yes																																																																									
U Bolt support	All: Yes																																																																									
3 MB System Partition	No	N/A since no disk																																																																								
Software included	1 of 3 op sys (see below); models prior to Feb 23, 1994 had no op sys included	None																																																																								
BIOS	All: 128 KB in Flash memory on the planar board (SurePath™ BIOS)																																																																									
Other	All: Fast startup mode / selectable boot																																																																									
Keyboard	All: Choice of four keyboards ① Enhanced 101 key and mouse ③ Enhanced 101 key with TrackPoint II; no mouse (\$50) ② Quiet (rubber dome) 101 key and mouse ④ Quiet Touch 84 key with TrackPoint II; no mouse (\$50)																																																																									
Mouse	All: IBM Enhanced mouse (400 dpi) except no mouse if select keyboard with TrackPoint II™																																																																									
Power supply	All: 90 watt / universal / manual switch setting / built in overload, surge protection																																																																									
<table border="1"> <thead> <tr> <th colspan="6">GD5426 VIDEO MODES</th> </tr> <tr> <th>Resolution</th> <th>Frame rate Hz (non-interlaced)</th> <th>Maximum colors</th> <th colspan="3">Device Drivers Support</th> </tr> <tr> <th></th> <th></th> <th></th> <th>DOS</th> <th>Windows</th> <th>OS/2</th> </tr> </thead> <tbody> <tr> <td>640 x 480</td> <td>60, 72</td> <td>16</td> <td>Y(i)</td> <td>Y</td> <td>Y</td> </tr> <tr> <td>640 x 480</td> <td>60, 72</td> <td>256</td> <td>Y</td> <td>Y</td> <td>Y(a)</td> </tr> <tr> <td>640 x 480</td> <td>60, 72</td> <td>65,536</td> <td>-</td> <td>Y</td> <td>-</td> </tr> <tr> <td>640 x 480</td> <td>60</td> <td>16.7 mil</td> <td>-</td> <td>Y</td> <td>-</td> </tr> <tr> <td>800 x 600</td> <td>56, 60, 72</td> <td>16</td> <td>Y</td> <td>Y</td> <td>Y(b)</td> </tr> <tr> <td>800 x 600</td> <td>56, 60, 72</td> <td>256</td> <td>Y</td> <td>Y</td> <td>Y(a)</td> </tr> <tr> <td>800 x 600</td> <td>56, 60</td> <td>65,536</td> <td>-</td> <td>Y</td> <td>-</td> </tr> <tr> <td>1024 x 768</td> <td>60, 70, 72, 43.5 (I)</td> <td>16</td> <td>Y</td> <td>Y</td> <td>Y(b)</td> </tr> <tr> <td>1024 x 768</td> <td>60, 70, 72, 43.5 (I)</td> <td>256</td> <td>Y</td> <td>Y</td> <td>Y(i, a)</td> </tr> </tbody> </table> <p>Video Memory (1MB) can not be increased or decreased Note (i) = ISO certified with specific fonts, typeface, and monitors Note (a) = Not supported by OS/2 1.3.x or 2.0 without Service Pack Note (b) = Not supported by OS/2 with Service Pack or 2.1 I = Interlaced</p>		GD5426 VIDEO MODES						Resolution	Frame rate Hz (non-interlaced)	Maximum colors	Device Drivers Support						DOS	Windows	OS/2	640 x 480	60, 72	16	Y(i)	Y	Y	640 x 480	60, 72	256	Y	Y	Y(a)	640 x 480	60, 72	65,536	-	Y	-	640 x 480	60	16.7 mil	-	Y	-	800 x 600	56, 60, 72	16	Y	Y	Y(b)	800 x 600	56, 60, 72	256	Y	Y	Y(a)	800 x 600	56, 60	65,536	-	Y	-	1024 x 768	60, 70, 72, 43.5 (I)	16	Y	Y	Y(b)	1024 x 768	60, 70, 72, 43.5 (I)	256	Y	Y	Y(i, a)	Choice of operating sys (until 11/21/94): IBM OS/2® 2.1 IBM DOS 6.1 / Windows™ 3.1 IBM DOS 5.02 / Windows 3.1 After September 20, 1994: IBM OS/2 2.11 IBM DOS 6.3 / Windows 3.11 Includes all software pubs and all diskettes (op sys is not preinstalled)
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