

IBM ValuePoint Reference (/S, /D, /T models)

IBM® ValuePoint™:	425SX /S /D	433SX /S /D	433DX /S /D /T	466DX2 /S /D /T
Type	6382, 6384	6382, 6384	6382, 6384, 6387	6384, 6387
Models	Fxx	Kxx	Mxx	Wxx
Processor / MHz	486SX - 25 MHz	486SX - 33 MHz	486DX - 33 MHz	486DX2 - 66/33 MHz
Processor upgrade(s)	① 486DX - 33 MHz ② 486DX2 - 50/25 MHz ③ 486DX2 - 66/33 MHz ④ P24T	① 486DX - 33 MHz ② 486DX2 - 66/33 MHz ③ P24T	① 486DX2 - 66/33 MHz ② P24T	① P24T
Upgrade method	Open 238 pin ZIF (disables original CPU)	Open 238 pin ZIF (disables original CPU)	Remove CPU from 238 pin ZIF socket	Remove CPU from 238 pin ZIF socket
L2 cache - std / max	0 KB / 256 KB	0 KB / 256 KB	0 KB / 256 KB	128 KB / 256 KB
L2 cache - write policy	Write-through	Write-through	Write-through	Write-through (/D) Write-back (/T)
L2 cache - method	1 total SIMM socket for either 128 or 256KB SIMM	1 total SIMM socket for either 128 or 256KB SIMM	1 total SIMM socket for either 128 or 256KB SIMM	1 total SIMM socket for either 128 or 256KB SIMM
Memory - std / max	4 or 8 / 64 MB ¹	4 or 8 / 64 MB ¹	4 or 8 / 64 MB ¹	4 or 8 / 64 MB ¹
Memory - speed / pins	70 ns / 72 pin	70 ns / 72 pin	70 ns / 72 pin	70 ns / 72 pin
Memory - supported SIMMs	70, 80, or 85 ns	70, 80, or 85 ns	70, 80, or 85 ns	70, 80, or 85 ns
Mem - total sockets / avail	4 sockets / 3 available	4 sockets / 3 available	4 sockets / 3 available	4 sockets / 3 available
Memory - type	Parity (IBM or ind standard)	Parity (IBM or ind standard)	Parity (IBM or ind standard)	Parity (IBM or ind standard)
Memory controller RAS	Dual RAS	Dual RAS	Dual RAS	Dual RAS
Video - controller	86C805 (on planar)	86C805 (on planar)	86C805 (on planar)	86C805 (on planar)
Video - vendor	S3	S3	S3	S3
Video - type	SVGA - accelerator	SVGA - accelerator	SVGA - accelerator	SVGA - accelerator
Video - memory std/max	1 / 2 MB (DRAM) 70 ns	1 / 2 MB (DRAM) 70 ns	1 / 2 MB (DRAM) 70 ns	1 / 2 MB (DRAM) 70 ns
Video - arch/data path	VESA local bus / 32 bit	VESA local bus / 32 bit	VESA local bus / 32 bit	VESA local bus / 32 bit
ISA 16 bit slots / avail	/S: 3 / 2 (LAN adapter) /S: 3 / 3 /D: 5 / 5	/S: 3 / 2 (LAN adapter) /S: 3 / 3 /D: 5 / 5	/S: 3 / 3 /D: 5 / 5 /T: 6 / 6	/S: 5 / 5 /T: 6 / 6
VL-Bus 32 bit slots / avail	1 slot / 1 available	1 slot / 1 available	1 slot / 1 available	1 slot / 1 available
Serial - ports	Two 9 pin	Two 9 pin	Two 9 pin	Two 9 pin
Serial - controller	1st: 16550A; 2nd: 16450	1st: 16550A; 2nd: 16450	1st: 16550A; 2nd: 16450	1st: 16550A; 2nd: 16450
Serial - DMA	1st: DMA; 2nd: non-DMA	1st: DMA; 2nd: non-DMA	1st: DMA; 2nd: non-DMA	1st: DMA; 2nd: non-DMA
Serial - max speed	1st: 345 Kbps; 2nd: 19.2	1st: 345 Kbps; 2nd: 19.2	1st: 345.6 Kbps; 2nd: 19.2	1st: 345.6 Kbps; 2nd: 19.2
Parallel port	One (DMA)	One (DMA)	One (DMA)	One (DMA)
Disk controller	IDE (16 bit)	IDE (16 bit)	IDE (16 bit)	IDE (16 bit)
Diskette drive	3.5" 1.44 MB	3.5" 1.44 MB	3.5" 1.44 MB	3.5" 1.44 MB
BIOS	128 KB Flash	128 KB Flash	128 KB Flash	128 KB Flash
Diskette write inhibit	Yes	Yes	Yes	Yes
Cover key lock	Yes	Yes	Yes	Yes
U-Bolt support	Yes	Yes	Yes	Yes
Preloaded software	DOS 5.02 / Windows 3.1 OS/2 2.0	DOS 5.02 / Windows 3.1 OS/2 2.0	DOS 5.02 / Windows 3.1 OS/2 2.0	DOS 5.02 / Windows 3.1 OS/2 2.0
Keyboard	101 Enhanced	101 Enhanced	101 Enhanced	101 Enhanced
Sound	Speaker	Speaker	Speaker	Speaker
Power supply watts	/S: 100 watts; /D: 200 watts	/S: 100 watts; /D: 200 watts	/S: 100 watts; /D, /T: 200	/D, /T: 200 watts
Announce date	April 1993	April 1993	April 1993	April 1993
Withdrawal date	-	-	-	-

S3 86C805 VIDEO MODES						OTHER STANDARD FEATURES		VALUEPOINT WARRANTY SERVICE SUPPORT	
Resolution	Frame Rate (Hz)	Line Rate (kHz)	Mem-ory	Mem-ory	Maximum colors/gray shades				
640 x 480	60	31.5	NI	1 MB	16.7mil / 256	Serial / parallel port inhibit Administrator Password Dual orientation support Unattended start mode Keyboardless operation mode Startup sequence control (diskette, disk, network) Ability to disable L1 or L2 cache for current boot Boot without keyboard or mouse		➤ 1 year warranty ➤ On site warranty all year ➤ All cities in all states ➤ 8 am - 5 pm Mon - Fri coverage ➤ Next day response time ➤ Optional warranty: 4 hour response, 24 hr / 7 day coverage ➤ Post warranty: 2 options above ➤ 24 hour / 7 day telephone support ➤ 24 hour / 7 day bulletin board ➤ 24 hour / 7 day fax support ➤ IBM or dealer warranty/service ➤ 30 day money back guarantee	
640 x 480	72	37.8	NI	1 MB	65,536 / 256				
800 x 600	56	35.1	NI	1 MB	256 / 256				
800 x 600	60	37.9	NI	1 MB	65,536 / 256				
800 x 600	72	48.1	NI	1 MB	256 / 256				
1024 x 768	43.5	35.5	I	1 MB	256 / 256				
1024 x 768	60	48.4	NI	1 MB	256 / 256				
1024 x 768	70	56.5	NI	1 MB	256 / 256				
1024 x 768	72	58.1	NI	1 MB	256 / 256				
1280 x 1024	43.5	48.2	I	1 MB	16 / 16				
1280 x 1024	43.5	46.0	I	2 MB	256 / 16				
On 433DX and 466DX2 models only (due to 110 MHz DAC on 433DX/S, D, T, and 466DX2/D, /T)						Note 1: Models with 4 MB standard have DOS / Windows preinstalled (model xx0). Models with 8 MB standard have OS/2 2.0 preinstalled (model xx1).			
1024 x 768	43.5	35	I	2 MB	65536 / 256				
1280 x 1024	60	64	NI	1 MB	16 / 16				

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