IBM PC Institute

Personal Systems Reference IBM ValuePoint 1992 to 1995 - withdrawn

IBM ValuePoint - 1992 models (withdrawn)

IBM® ValuePoint™ withdrawn:	ValuePoint Type-model	Diskette Disk: std-max internal ms seek / interface	CPU MHz / Upgrade MHz	L2 cache std / max	Memory in MB; std / max speed (ns)	SVGA controller; memory std / max	Slots available 16 bit/32 bit VL-Bus ↓	Total bays 3.5" | 5.25"	Std features	Available IBM Direct Price [1]	date
Models announced October 20, 1992 and January 25, 1993 (withdrawn July 1993):											
⊁ **325T**	6384-C00	d *Opt: up to 2 IDE*	386SLC	0KB 0KB	2/16 80	CL5422	5/0	✲■■ |□□	s/ p	$ –	Oct 92
⊁ **325T**	-C20	d 80M-1.05G 16 IDE	at none		2/16	1 / 1 MB		✲✲■ |□□	s/ p /5	900	Oct 92
⊁ **325T**	" -C40	d 170M-1.05G 16 IDE	25 MHz	" "	2/16 "		"	✲✲■ |□□	s/ p /5	1070	Oct 92
⊁ **425SX**	6384-F00	d *Opt: up to 2 IDE*	486SX	0 0	4/32 80	ET4000	5/0	✲■■ |□□	s/s/ p	–	Oct 92
⊁ **425SX**	-F23	d 120M-1.05G 15 IDE	at *1 option for all:*		4/32	1 / 1 MB		✲✲■ |□□	s/s/ p /3	1060	Jan 93
⊁ **425SX**	" -F20	d 120M-1.05G 15 IDE	25 MHz ① 486DX2-50/25	" "	8/32 "		"	✲✲■ |□□	s/s/ p /2	1190	Oct 92
⊁ **425SX**	" -F43	d 170M-1.05G 16 IDE		" "	4/32 "	"	"	✲✲■ |□□	s/s/ p /3	1230	Jan 93
⊁ **425SX**	" -F40	d 170M-1.05G 16 IDE	"	" "	8/32 "	"	"	✲✲■ |□□	s/s/ p /2	1360	Oct 92
⊁ **433DX**	6384-M00	d *Opt: up to 2 IDE*	486DX	128 128	4/32 80	ET4000	5/0	✲■■ |□□	s/s/ p	–	Oct 92
⊁ **433DX**	-M43	d 120M-1.05G 15 IDE	at *1 option for all:*		4/32	1 / 1 MB		✲✲■ |□□	s/s/ p /3	1490	Jan 93
⊁ **433DX**	" -M40	d 120M-1.05G 15 IDE	33 MHz ① 486DX2-66/33	" "	8/32 "		"	✲✲■ |□□	s/s/ p /2	1620	Oct 92
⊁ **433DX**	" -M53	d 212M-1.05G 15 IDE		" "	4/32 "	"	"	✲✲■ |□□	s/s/ p /3	1660	Jan 93
⊁ **433DX**	" -M50	d 212M-1.05G 15 IDE	"	" "	8/32 "	"	"	✲✲■ |□□	s/s/ p /2	1790	Oct 92
⊁ **466DX2**	6384-W53	d 212M-1.05G 15 IDE	486DX2 none	128 128	4/32 80	ET4000	5/0	✲✲■ |□□	s/s/ p /3	2150	Jan 93
⊁ **466DX2**	-W52	d 212M-1.05G 15 IDE	at 66/33		8/32	1 / 1 MB		✲✲■ |□□	s/s/ p /2	2280	Nov92

d = 1.44 MB 3.5" diskette drive
p = parallel/printer port
s = Async port (19.2 Kbps) UART 16450
2 = OS/2 2.00.1 preinstalled
3 = DOS 5.02 & Windows 3.1 preinstalled
5 = DOS 5.02 preinstalled
128 128 = (non-italics) write-thru L2 cache

VALUEPOINT FEATURES

Warranty: 1 year, on site (anywhere in US)**, next day response, 8 am - 5 pm Mon - Fri coverage**
Optional warranty: 4 hour response, 24 hr / 7 day coverage
Post warranty: choose from 2 options above
ISA architecture (AT bus)
All memory on planar (local bus)
Parity memory
SVGA video (up to 1280 x 1024)
IBM mouse
145 watt power supply
30 day money back guarantee
IBM service and support
24 hr/day support via fax, bulletin board, and phone (HelpWare at 1-800-772-2227)

⊁ systems withdrawn

✲ bay occupied by standard diskette or hard disk.

■ open bay with NO front media access.

□ open bay with front media access.

Note 1: Dealer prices will vary.

No warranties are expressed in this summary.

(VP92W) Compiled by Roger Dodson, IBM
Current as of October 1993

IBM ValuePoint Reference (1992 models - withdrawn)

IBM® ValuePoint ™:	⋋ 325T	⋋ 425SX	⋋ 433DX	⋋ 466DX2
Type	6384	6384	6384	6384
Models	C00 = diskette, no disk C20 = diskette, 80 MB C40 = diskette, 170 MB	F00 = diskette, no disk F23 = diskette, 120 MB F20 = diskette, 120 MB F43 = diskette, 170 MB F40 = diskette, 170 MB	M00 = diskette, no disk M43 = diskette, 120 MB M40 = diskette, 120 MB M53 = diskette, 212 MB M50 = diskette, 212 MB	W53 = diskette, 212 MB W52 = diskette, 212 MB
Processor / MHz	**386SLC - 25 MHz**	**486SX - 25 MHz**	**486DX - 33 MHz**	**486DX2 - 66/33 MHz**
Processor upgrade(s)	None	① 486DX2 - 50/25 MHz	① 486DX2 - 66/33 MHz	None
Upgrade method	N/A	Open 169 pin socket	Remove CPU from 169 pin Low Insertion force (LIF)	N/A
L2 cache - std / max	0 KB / 0 KB		128 KB / 128 KB	
L2 cache - write policy	N/A		Write-through	
L2 cache - method	N/A		Soldered on planar	
Memory - std / max	2 / 16 MB	4 or 8 / 32 MB		
Memory - speed / pins	80 ns / 72 pin	80 ns / 30 pin		
Memory - supported SIMMs	70, 80, or 85 ns	70, 80, or 85 ns		
Mem - total sockets / avail	2 sockets / 2 available	8 sockets / 4 or 0 available [1]		
Memory - type	Parity (IBM or ind std)	Parity (IBM or ind std)		
Memory controller RAS	Dual RAS	Dual RAS		
Graphics - controller	CL5422 (on planar)	ET4000 (on planar)		
Graphics - vendor	Cirrus Logic	Tseng Labs		
Graphics - type	SVGA - frame buffer	SVGA - frame buffer		
Graphics - memory std/max	1 / 1 MB	1 / 1 MB		
Graphics - arch / data path	ISA 16 bit	ISA 16 bit		
ISA 16 bit slots / avail	*All:* 5 slots / 5 available			
VL-Bus 32 bit slots / avail	*All:* 0 slots / 0 available			
Serial - ports	One 9 pin	Two 9 pin		
Serial - controller	*All:* 16450			
Serial - DMA	*All:* non-DMA			
Serial - max speed	*All:* 19.2 Kbps			
Parallel port	*All:* One (non-DMA) bidirectional			
Disk controller	*All:* IDE (16 bit)			
Diskette drive	*All:* 3.5" 1.44 MB			
BIOS	*All:* EPROM			
Security	*All:* ① Cover key lock *All:* ② U-Bolt support *All:* ③ Diskette write inhibit *All:* ④ Serial/parallel port inhibit *All:* ⑤ Power-on password			
Preloaded software	DOS 5.02 (except C00)	DOS 5.02/Windows™ 3.1 or OS/2® 2.0 (except diskless x00) Models xx3 = DOS 5.02/Windows 3.1 preinstalled with 4 MB standard memory Models xx0 or xx2 = OS/2 2.00.1 preinstalled with 8 MB standard memory Models x00 = No operating system included since no hard disk w/ 4 MB std memory		
Keyboard	*All:* Enhanced 101			
Mouse	*All:* IBM mouse			
Sound	*All:* Beeper			
Power supply	*All:* 145 watts / universal / manual switch			
Announce date	*All:* October 1992			
Withdrawn date	*All:* July 1993			

Note 1: The 425SX, 433DX, and 466DX2 require four identical capacity, 30 pin memory SIMMs to be installed as a group. So only possible memory configurations are 4, 8, 16, 20, or 32 MB.

All: Five bays: 6384

①	3.5",	SL 1",	access,	std diskette
②	3.5",	HH 1.6",	no access,	std disk (except diskless)
③	5.25",	HH 1.6",	access,	open
④	5.25",	HH 1.6",	access,	open
⑤	3.5",	SL 1",	no access,	open

OTHER STANDARD FEATURES

The Configuration Utility resides in EPROM which can be invoked by pressing the F1 key during memory POST.

DOS 5.02 models: diskettes and publications included.
DOS/Windows models: diskettes and publications included.
OS/2 2.0 models: only publications included.

ET4000 VIDEO MODES

Resolution	Frame Rate (Hz)	Maximum colors/gray shades
640 x 480	60, 70, 72	256 / 256
800 x 600	56, 60, 72	256 / 256
1024 x 768	43.5 (I), 60, 70	256 / 256
1280 x 1024	43.5 (I)	16 / 16

CIRRUS LOGIC 5422 (325T)

640 x 480	60	16.7 mil / 256
640 x 480	70, 72	256 / 256
800 x 600	56, 60	65,536 / 256
800 x 600	72	256 / 256
1024 x 768	43.5 (I), 60, 70	256 / 256
1280 x 1024	43.5 (I)	16 / 16

Video memory (1 MB) can not be increased or decreased on these ValuePoints.

VALUEPOINT WARRANTY SERVICE SUPPORT

- **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**

⋋ Systems withdrawn
(1VPW) Compiled by Roger Dodson, IBM. October 1993

IBM ValuePoint - Spring 1993 models (withdrawn)

IBM® ValuePoint™: ValuePoint Type-model	Diskette Disk: std-max internal ms seek / interface	CPU MHz / Upgrade MHz	L2 cache std / max	Memory in MB; std / max speed (ns)	SVGA controller; memory std / max	Slots available 16 bit/32 bit VL-Bus ↓	Total bays 3.5" | 5.25"	Std features	Available IBM Direct Price [1] date
Models announced April 6, 1993 or May 24, 1993:									
⋌ **425SX/S** 6382-F00	d *Opt: up to 2 IDE*	486SX at 25 MHz *4 options for all:* ① 486DX-33 ② 486DX2-50/25 ③ 486DX2-66/33 ④ P24T (238 pin)	0KB 256	4/64 70	S3-805 local bus 1 / 2 MB	3/1	☼■ |□	S/S/P	Apr 93
⋌ **425SX/S** -F30	d 120M-1.05G 15 IDE		" "	4/64 "		3/1	☼☼ |□	S/S/P /3	Apr 93
⋌ **425SX/S** " -F50	d 245M-1.05G 15 IDE		" "	4/64 "		3/1	☼☼ |□	S/S/P /3	Apr 93
⋌ **425SX/S** " -F51	d 245M-1.05G 15 IDE		" "	8/64 "		3/1	☼☼ |□	S/S/P /2	Apr 93
⋌ **425SX/S** " -FY0	*Opt: 2 diskette, 2 IDE*	"	" "	4/64 "	"	2/1	□■ |□	S/S/P /T	May93
⋌ **425SX/S** " -FZ0	*Opt: 2 diskette, 2 IDE*	"	" "	4/64 "	"	2/1	□■ |□	S/S/P /E	May93
⋌ **425SX/S** " -FZ1	*Opt: 2 diskette, 2 IDE*	"	" "	4/64 "	"	2/1	□■ |□	S/S/P /e	May93
⋌ **425SX/D** 6384-F02	d *Opt: up to 2 IDE*	486SX at 25 MHz *4 options listed above*	0 256	4/64 70	S3-805 local bus 1 / 2 MB	5/1	☼■■ |□□	S/S/P	Apr 93
⋌ **425SX/D** -F30	d 120M-1.05G 15 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **425SX/D** " -F50	d 245M-1.05G 15 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **425SX/D** " -F51	d 245M-1.05G 15 IDE		" "	8/64 "		"	☼☼■ |□□	S/S/P /2	Apr 93
⋌ **433SX/S** 6382-K00	d *Opt: up to 2 IDE*	486SX at 33 MHz *3 options for all:* ① 486DX-33 ② 486DX2-66/33 ③ P24T (238 pin)	0 256	4/64 70	S3-805 local bus 1 / 2 MB	3/1	☼■ |□	S/S/P	Apr 93
⋌ **433SX/S** -K30	d 120M-1.05G 15 IDE		" "	4/64 "		3/1	☼☼ |□	S/S/P /3	Apr 93
⋌ **433SX/S** " -K50	d 245M-1.05G 15 IDE		" "	4/64 "		3/1	☼☼ |□	S/S/P /3	Apr 93
⋌ **433SX/S** " -K51	d 245M-1.05G 15 IDE		" "	8/64 "		3/1	☼☼ |□	S/S/P /2	Apr 93
⋌ **433SX/S** " -KY0	*Opt: 2 diskette, 2 IDE*	"	" "	4/64 "	"	2/1	□■ |□	S/S/P /T	May93
⋌ **433SX/S** " -KZ0	*Opt: 2 diskette, 2 IDE*	"	" "	4/64 "	"	2/1	□■ |□	S/S/P /E	May93
⋌ **433SX/S** " -KZ1	*Opt: 2 diskette, 2 IDE*	"	" "	4/64 "	"	2/1	□■ |□	S/S/P /e	May93
⋌ **433SX/D** 6384-K00	d *Opt: up to 2 IDE*	486SX at 33 MHz *3 options for all:* ① 486DX-33 ② 486DX2-66/33 ③ P24T (238 pin)	0 256	4/64 70	S3-805 local bus 1 / 2 MB	5/1	☼■■ |□□	S/S/P	Apr 93
⋌ **433SX/D** -K30	d 120M-1.05G 15 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **433SX/D** " -K50	d 245M-1.05G 15 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	May93
⋌ **433SX/D** " -K51	d 245M-1.05G 15 IDE		" "	8/64 "		"	☼☼■ |□□	S/S/P /2	May93
⋌ **433SX/D** " -K70	d 340M-1.05G 14 IDE		" "	4/64 "	"	"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **433SX/D** " -K71	d 340M-1.05G 14 IDE		" "	8/64 "	"	"	☼☼■ |□□	S/S/P /2	Apr 93
⋌ **433DX/S** 6382-M00	d *Opt: up to 2 IDE*	486DX at 33 MHz *2 options for all:* ① 486DX2-66/33 ② P24T (238 pin)	0 256	4/64 70	S3-805 local bus 1 / 2 MB	3/1	☼■ |□	S/S/P	Apr 93
⋌ **433DX/S** -M30	d 120M-1.05G 15 IDE		" "	4/64 "		"	☼☼ |□	S/S/P /3	Apr 93
⋌ **433DX/S** " -M50	d 245M-1.05G 15 IDE		" "	4/64 "		"	☼☼ |□	S/S/P /3	Apr 93
⋌ **433DX/S** " -M51	d 245M-1.05G 15 IDE		" "	8/64 "		"	☼☼ |□	S/S/P /2	Apr 93
⋌ **433DX/D** 6384-M01	d *Opt: up to 2 IDE*	486DX at 33 MHz *2 options for all:* ① 486DX2-66/33 ② P24T (238 pin)	0 256	4/64 70	S3-805 local bus 1 / 2 MB	5/1	☼■■ |□□	S/S/P	Apr 93
⋌ **433DX/D** -M30	d 120M-1.05G 15 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **433DX/D** " -M52	d 245M-1.05G 15 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	May93
⋌ **433DX/D** " -M51	d 245M-1.05G 15 IDE		" "	8/64 "		"	☼☼■ |□□	S/S/P /2	May93
⋌ **433DX/D** " -M70	d 340M-1.05G 14 IDE		" "	4/64 "	"	"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **433DX/D** " -M71	d 340M-1.05G 14 IDE		" "	8/64 "	"	"	☼☼■ |□□	S/S/P /2	Apr 93
⋌ **433DX/T** 6387-M00	d *Opt: up to 2 IDE*	486DX at 33 MHz *2 options for all:* ① 486DX2-66/33 ② P24T (238 pin)	0 256	4/64 70	S3-805 local bus 1 / 2 MB	8/1	☼■□■ |□□	S/S/P	May93
⋌ **433DX/T** -M70	d 340M-1.05G 14 IDE		" "	4/64 "		"	☼☼□■ |□□	S/S/P /3	May93
⋌ **433DX/T** " -M71	d 340M-1.05G 14 IDE		" "	8/64 "		"	☼☼□■ |□□	S/S/P /2	May93
⋌ **466DX2/D** 6384-W00	d *Opt: up to 2 IDE*	486DX2 at 66/33 *1 option for all:* ② P24T (238 pin)	128 256	4/64 70	S3-805 local bus 1 / 2 MB	5/1	☼■■ |□□	S/S/P	Apr 93
⋌ **466DX2/D** -W50	d 245M-1.05G 15 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **466DX2/D** " -W70	d 340M-1.05G 14 IDE		" "	4/64 "		"	☼☼■ |□□	S/S/P /3	Apr 93
⋌ **466DX2/D** " -W71	d 340M-1.05G 14 IDE		" "	8/64 "		"	☼☼■ |□□	S/S/P /2	Apr 93
⋌ **466DX2/T** 6387-W00	d *Opt: up to 2 IDE*	486DX2 at 66/33 *1 option for all:* ② P24T (238 pin)	*128 256*	4/64 70	S3-805 local bus 1 / 2 MB	8/1	☼■□■ |□□	S/S/P	May93
⋌ **466DX2/T** -W90	d 527M-1.05G 9 IDE		" "	4/64 "		"	☼☼□■ |□□	S/S/P /3	May93
⋌ **466DX2/T** " -W91	d 527M-1.05G 9 IDE		" "	8/64 "		"	☼☼□■ |□□	S/S/P /2	May93

d = 1.44 MB 3.5" diskette drive
e = 10 Mbps Ethernet adapter, 10base2
E = 10 Mbps Ethernet adapter, 10baseT
P = DMA parallel/printer port
s = Async port (19.2 Kbps) UART 16450
S = DMA async (345 Kbps) UART 16550A
T = 16/4 Mbps Token-Ring adapter
2 = OS/2 2.00.1 preinstalled
3 = DOS 5.02 & Windows 3.1 preinstalled
0 256 = (not italics) write-thru L2 cache SIMM
128 256 = *(italics)* write-back L2 cache

S**i** = SpaceSaver Introductory 3/3; 6381
/S = SpaceSaver (3 slts x 3 bays); 6382
/D = DeskTop (5 slots x 5 bays); 6384
/T = Mini-Tower (8 slots x 6 bays); 6387

VALUEPOINT FEATURES (SPRING 1993 MODELS)

ISA architecture (AT bus)
1 available 32 bit VESA local bus slot
238 pin ZIF socket (upgrades)
All memory on planar (local bus)
Parity memory
4 SIMM sockets - 72 pin SIMMs
Standrd memory uses only 1 socket
SVGA video (up to 1280 x 1024)
VESA local bus 32 bit graphics accelerator
86C805 allows 2 MB video memory
IBM mouse (except LAN diskless)
IBM Enhanced 101 keyboard
128 KB flash mem for BIOS/POST
100 watt (3 x 3)**; 200 watt** (5x5, 8x6)
Cover key lock
Boot sequence control

Warranty: 1 year, on site (anywhere in US)**, next day response, 8am-5pm Mon-Fri coverage**
Optional warranty: 4 hour response, 24 hr / 7 day coverage
Post warrnty: choose from 2 above
30 day money back guarantee
IBM service and support
24 hr/day support via fax, bulletin board, and phone (HelpWare at 1-800-772-2227)

U-Bolt support
Boot without keyboard/mouse
Power-on password
Diskette write inhibit
Administrator password
Serial/parallel port inhibit

☼ bay occupied by standard diskette or hard disk.

■ open bay with NO front media access.

□ open bay with front media access.

Price decrease effective July 29, 1993.

⋌ Systems withdrawn

Note 1: Dealer prices will vary. No warranties are expressed or implied in this summary.

(VP93S)
Compiled by Roger Dodson, IBM
Current as of December 1993

IBM Multimedia ValuePoint - Spring 1993 models (withdrawn)

The IBM® Multimedia for ValuePoint™ Series (MVP) offerings are compliant with the Multimedia PC (MPC)™ specifications. Applications containing the MPC logo will run on all MVP Series systems. In addition, MVP Series systems with disks greater than 160 MB are **compliant with the new Multimedia PC Level 2 specification.** Applications that take advantage of this enhanced MPC Level 2 specification may be run on these Multimedia for ValuePoint Series systems.
MVP Series systems are **ready to use** out of the box as **all software is preinstalled and preconfigured.**

VALUEPOINT FEATURES

Warranty: 1 year, on site (anywhere in US), next day response, 8 am - 5 pm Monday - Friday.
Optional warranty: 4 hour response time, 24 hour/7 day coverage.
Post warranty: choose from 2 above.
All memory on planar (local bus).
4 SIMM sockets - 72 pin SIMMs.
Standard memory uses only 1 socket.
Parity memory; SVGA video.
VESA local bus 32 bit graphics accelerator.
238 pin ZIF socket (for upgrades).
ISA architecture (AT bus).
1 available 32 bit VESA local bus slot.
IBM mouse; Enhanced 101 keyboard.
30 day money back guarantee.
IBM service and support.
24 hour/day support via fax, bulletin board, and phone (HelpWare® at 1-800-772-2227).

Models announced May 25, 1993	ValuePoint Type-model-part	Diskette Disk: std-max internal ms seek / interface	CPU MHz / Upgrade MHz	L2 cache std / max	Memory in MB; std/max speed	VESA SVGA; memory std / max	Slots available 16 bit/32 bit VL-Bus ↓	Total bays 3.5" | 5.25"	Std features	$ IBM Direct Price [1]	Available date
Office:											
	425SX/D 6384-F30 FS1	d 120M-1.05G 15 IDE	486SX-25 MHz *See*	0KB 256	4 / 64	S3-805	4/1	☼☼■ | ☼□	S/S/P /3	$1625	Jun 93
	425SX/D -F50 FS2	d 245M-1.05G 15 IDE	486SX-25 MHz *shaded*	" "	70ns	1 / 2 MB	4/1	☼☼■ | ☼□	S/S/P /3	1795	Jun 93
	433DX/D " -M52 MS2	d 245M-1.05G 15 IDE	486DX-33 MHz *box*	" "			4/1	☼☼■ | ☼□	S/S/P /3	2145	Jun 93
	433DX/D " -M70 MS3	d 340M-1.05G 14 IDE	486DX-33 MHz	" "	"	"	4/1	☼☼■ | ☼□	S/S/P /3	2295	Jun 93

Hardware preinstalled with **Office** models:
- ✧ *Creative Labs Sound Blaster™ 16 audio adapter*
- ✧ *IBM internal ISA CD-ROM Drive*
- ✧ *CD audio cable (internal - CD-ROM to Blaster)*
- ✧ *CD data cable (internal - CD-ROM to Blaster)*

Software preconfigured with **Office** models:
- ✧ *IBM DOS 5.02*
- ✧ *Microsoft® Windows™ 3.1*

Upgrades for 425SX/D on all Multimedia models:
① **486DX-33**
② **486DX2-50/25**
③ **486DX2-66/33**
④ **P24T (238 pin)**

Reference:

	425SX/D 6384-F30 FS4	d 120M-1.05G 15 IDE	486SX-25 MHz *See*	0KB 256	4 / 64	S3-805	4/1	☼☼■ | ☼□	S/S/P /3	$1760	Jun 93
	425SX/D -F50 FS5	d 245M-1.05G 15 IDE	486SX-25 MHz *shaded*	" "	70ns	1 / 2 MB	4/1	☼☼■ | ☼□	S/S/P /3	1930	Jun 93
	433DX/D " -M52 MS5	d 245M-1.05G 15 IDE	486DX-33 MHz *box*	" "			4/1	☼☼■ | ☼□	S/S/P /3	2280	Jun 93
	433DX/D " -M70 MS6	d 340M-1.05G 14 IDE	486DX-33 MHz	" "	"	"	4/1	☼☼■ | ☼□	S/S/P /3	2430	Jun 93

Hardware preinstalled with **Reference** models:
- ✧ *Creative Labs Sound Blaster 16 audio adapter*
- ✧ *IBM internal ISA CD-ROM Drive*
- ✧ *CD audio cable (internal - CD-ROM to Blaster)*
- ✧ *CD data cable (internal - CD-ROM to Blaster)*
- ✧ Creative Labs CT38 External Speakers
- ✧ Creative Labs Microphone (plug into Blaster)
- ✧ Mini-jack to RCA jack adapter

Softwarepreconfigured with **Reference** models:
- ✧ *IBM DOS 5.02*
- ✧ *Microsoft Windows 3.1*
- ✧ Kodak Photo CD™ Access Software & Photo Sampler
- ✧ The Multimedia Edition of Microsoft Works for Windows™
- ✧ Microsoft Bookshelf®
- ✧ The Software Toolworks® Encyclopedia
- ✧ HSC Interactive Presentation Tool™

Upgrades for 433DX/D on all Multimedia models:
① **486DX2-66/33**
② **P24T (238 pin)**

Entertainment:

	425SX/D 6384-F30 FS7	d 120M-1.05G 15 IDE	486SX-25 MHz *See*	0KB 256	4 / 64	S3-805	4/1	☼☼■ | ☼□	S/S/P /3	$1790	Jun 93
	425SX/D -F50 FS8	d 245M-1.05G 15 IDE	486SX-25 MHz *shaded*	" "	70ns	1 / 2 MB	4/1	☼☼■ | ☼□	S/S/P /3	1990	Jun 93
	433DX/D " -M52 MS8	d 245M-1.05G 15 IDE	486DX-33 MHz *box*	" "			4/1	☼☼■ | ☼□	S/S/P /3	2340	Jun 93
	433DX/D " -M70 MS9	d 340M-1.05G 14 IDE	486DX-33 MHz	" "	"	"	4/1	☼☼■ | ☼□	S/S/P /3	2490	Jun 93

Hardwarepreinstalled with **Entertainment** models:
- ✧ *Creative Labs Sound Blaster 16 audio adapter*
- ✧ *IBM internal ISA CD-ROM Drive*
- ✧ *CD audio cable (internal - CD-ROM to Blaster)*
- ✧ *CD data cable (internal - CD-ROM to Blaster)*
- ✧ Creative Labs CT38 External Speakers
- ✧ Creative Labs Microphone (plug into Blaster)
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- ✧ The Software Toolworks Encyclopedia
- ✧ HSC Interactive Presentation Tool
- ✧ Mercer Mayer's Grandma & Me™
- ✧ Where in the World is Carmen SanDiego?® Deluxe; ✧ Loom™
- ✧ The Secret of Monkey Island™
- ✧ Secret Weapons of the Luftwaffe™

IBM INTERNAL ISA CD-ROM
- ✧ Double speed and XA (eXtended Architecture) capable
- ✧ Multi-session (allows appending image to end of CD for PhotoCD)
- ✧ Motorized electronic slide tray to hold CD (no CD caddy needed)
- ✧ Headphone jack with volume control
- ✧ Data Capacity - up to 600 MB
- ✧ Sequential data transfer rate – Normal velocity mode 150 KB/sec
  – Double velocity mode 300 KB/sec
- ✧ Max data transfer rate (asynchronous) - 2.3 MB/sec
- ✧ Buffer memory capacity - 64 KB
- ✧ Random access time – Normal velocity mode 380 ms typical
  – Double velocity mode 320 ms typical
- ✧ Set-up time (from loading till ready) - 6.5 seconds

CREATIVE LABS SOUND BLASTER 16 ADAPTER
- ✧ Full compliance with Multimedia PC Level 1 and 2 specifications
- ✧ Sound Blaster and Sound Blaster Pro compatible
- ✧ Roland MPU401 UART mode compatible; ✧ 16 bit adapter
- ✧ Analog mixing of 6 audio sources:
  – Digital audio (stereo) – Extra line level audio (stereo)
  – CD audio (stereo) – Synthesized music (stereo)
  – PC speaker – Microphone level audio (mono)
- ✧ 16 individual software programmable volume controls
  – 11 volume controls with 32 levels attenuation in 2dB steps
  – 1 volume control with 4 levels attenuation in 6 dB steps
  – 4 volume control with 4 levels gain in 6 dB steps
- ✧ Analog joystick port support; ✧ CD-ROM interface support

IBM PC Direct (1-800-IBM-2YOU) has numerous configurations of the Multimedia ValuePoint which include the 12 configurations listed above.

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d = 1.44 MB 3.5" diskette drive
P = DMA parallel/printer port
s = Async port (19.2 Kbps) UART 16450
S = DMA async (345 Kbps) UART 16550A
3 = DOS 5.0 & Windows 3.1 preinstalled
0 256 = (non-italics) write-thru L2 cache
/D = DeskTop (5 slots x 5 bays); 6384

☼ bay occupied by standard diskette or hard disk or CD-ROM. CD-ROM occupies 5 1/4" bay.
■ open bay with NO front media access.
□ open bay with front media access.

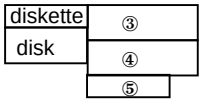
Note 1: Dealer prices will vary. Prices listed were decreased October 18, 1993.
No warranties are expressed in this summary.
(MVP93S) Compiled by Roger Dodson, IBM.
Current as of December 1993

IBM ValuePoint Reference (Spring 1993 models - withdrawn)

IBM® ValuePoint ™:	⋊ 425SX /S /D	⋊ 433SX /S /D	⋊ 433DX /S /D /T	⋊ 466DX2 /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			128 KB / 256 KB
L2 cache - write policy	Write-through			Write-through (/D) Write-back (/T)
L2 cache - organization	*All:* Direct mapped / SRAM / 15-20 ns			
L2 cache - method	*All:* 1 total SIMM socket for either 128 or 256KB SIMM			
Memory - std / max	*All:* 4 or 8 / 64 MB			
Memory - speed / pins	*All:* 70 ns / 72 pin			
Memory - supported SIMMs	*All:* 70, 80, or 85 ns			
Mem - total sockets / avail	*All:* 4 sockets / 3 available			
Memory - type	*All:* Parity (IBM or ind standard)			
Memory controller RAS	*All:* Dual RAS			
Graphics - controller	*All:* 86C805 (on planar)			
Graphics - vendor	*All:* S3 *17 WinMarks*			
Graphics - type	*All:* SVGA - accelerator			
Graphics - memory std / max	*All:* 1 / 2 MB (DRAM) 70 ns			
Graphics - arch / data path	*All:* 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 slots / 3 available /D: 5 slots / 5 available /T: 6 slots / 6 available	/D: 5 slots / 5 available /T: 6 slots / 6 available
VL-Bus 32 bit slots / avail	1 slot / 1 available	1 slot / 1 available	1 slot / 1 available	1 slot / 1 available
Serial - ports	*All:* Two 9 pin			
Serial - controller / DMA	*All:* 1st: 16550A / DMA; 2nd: 16450 / non-DMA			
Serial - max speed	*All:* 1st: 345 Kbps; 2nd: 19.2 Kbps			
Parallel port	*All:* One (DMA) bidirectional			
Disk controller	*All:* IDE (16 bit)			
Diskette drive	*All:* 3.5" 1.44 MB			
BIOS	*All:* 128 KB Flash (IBM)			
Security	*All:* ① Cover key lock *All:* ② U-Bolt support *All:* ③ Diskette write inhibit *All:* ④ Serial/parallel port inhibit *All:* ⑤ Power-on password *All:* ⑥ Administrator password *All:* ⑦ Boot sequence control *All:* ⑧ Boot without keyboard/mouse			
Preloaded software	*All:* DOS 5.02 / Windows™ 3.1 or OS/2® 2.00.1 None on diskless or LAN models			
Keyboard / mouse	*All:* Enhanced 101 keyboard / IBM mouse			
Sound	*All:* Speaker			
Power supply	*All:* /S: 100 watts; /D, /T: 200 watts / universal / manual switch			
Announce date	*All:* April 1993			
Withdrawn date	*All:* December 1993			

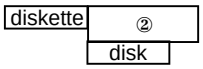
Models xx0 = DOS 5.02/Windows 3.1 preinstalled with 4 MB standard memory
Models xx1 = OS/2 2.00.1 preinstalled with 8 MB standard memory
Models x00 = No operating system included since no hard disk w/ 4 MB std memory

/D: Five bays: 6384



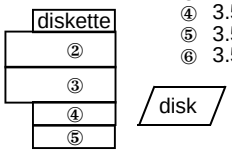
① 3.5", SL 1", access, std diskette
② 3.5", HH 1.6", no access, std disk
③ 5.25", HH 1.6", access, open
④ 5.25", HH 1.6", access, open
⑤ 3.5", SL 1", no access, open

/S: Three bays: 6382



① 3.5", SL 1", access, std diskette
② 5.25", HH 1.6", access, open
③ 3.5", SL 1", no access, std disk

/T: Six bays: 6387



① 3.5", SL 1", access, std diskette
② 5.25", HH 1.6", access, open
③ 5.25", HH 1.6", access, open
④ 3.5", SL 1", access, open
⑤ 3.5", SL 1", no access, open
⑥ 3.5", HH 1.6", no access, std disk

S3 86C805 VIDEO MODES

Resolution	Frame Rate (Hz)	Line Rate (kHz)	I/NI	Mem-ory	Maximum colors/gray shades
640 x 480	60	31.5	NI	1 MB	16.7mil / 256
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)

1024 x 768	43.5	35	I	**2 MB**	65,536 / 256
1280 x 1024	60	64	NI	1 MB	16 / 16

OTHER STANDARD FEATURES

Dual orientation support
Unattended start mode
Ability to disable L1 or L2 cache for current boot

The Configuration Utility resides in Flash memory which can be invoked by pressing the F1 key during memory POST.

Diskettes and publications of preloaded operating system included (except diskless x00 and LAN models xYx and xZx).

VALUEPOINT WARRANTY SERVICE SUPPORT

- **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**

(2VP) Compiled by Roger Dodson, IBM. December 1993

IBM Multimedia ValuePoint - Fall 1993 models - withdrawn

The IBM® Multimedia for ValuePoint™ Series (MVP) offerings are compliant with the Multimedia PC (MPC)™ specifications. Applications containing the MPC logo will run on all MVP Series systems. In addition, MVP Series systems with disks greater than 160 MB are **compliant with the new Multimedia PC Level 2 specification.** Applications that take advantage of this enhanced MPC Level 2 specification may be run on these Multimedia for ValuePoint Series systems.
MVP Series systems are **ready to use** out of the box as **all software is preinstalled and preconfigured.**

VALUEPOINT FEATURES

Warranty: 1 year, on site (anywhere in US), next day response, 8 am - 5 pm Monday - Friday.
Optional warranty: 4 hour response time, 24 hour/7 day coverage.
Post warranty: choose from 2 above.
All memory on planar (local bus).
4 SIMM sockets - 72 pin SIMMs.
Standard memory uses only 1 socket.
Parity memory; SVGA video.
VESA local bus graphics accelerator.
Upgradeable processor (most to P24T).
ISA architecture (AT bus).
1 available 32 bit VESA local bus slot (6284).
IBM mouse; Enhanced or Basic 101 keybrd.
30 day money back guarantee.
IBM service and support.
24 hour/day support via fax, bulletin board, and phone (HelpWare® at 1-800-772-2227).

Models announced October 18, 1993	ValuePoint Type-model-part	Diskette Disk: std-max internal ms seek / interface	CPU / MHz / Upgrade	L2 cache std / max	Memory in MB; std/max speed	VESA local bus SVGA; std mem	Slots available 16 bit/32 bit VL-Bus ↓ Total bays 3.5" | 5.25"	Std features	$ IBM Direct Price[1]	Available date
Office:										
⤖	**425SX/Si** 6381-F30 FS1	d 120M-1.05G 15 IDE	486SX 25 *50/25*	0 0KB	4 /64	GD5428 1	2/0	✲ |✲	s/s /p /9	$1287 ↘11/93
⤖	**425SX/D** 6384-G40 GS1	d 170M-1.05G 14 IDE	486SX 25 *to P24T*	*0 256*	70ns	S3-805 1	4/1	✲■ |✲□	S/s /P /9	1575 ↘11/93
⤖	**433SX/D** 6384-L40 LS1	d 170M-1.05G 14 IDE	486SX 33 *to P24T*	*0 256*		S3-805 1	4/1	✲■ |✲□	S/s /P /9	1715 ↘11/93
⤖	**433DX/Si** 6381-M50 MS2	d 212M-1.05G 13 IDE	486DX 33 *to P24T*	*0 256*	"	W32 1	2/0	✲ |✲	*S/S*/p /9	1777 ↘11/93
⤖	**433DX/D** 6384-N50 NS2	d 212M-1.05G 13 IDE	486DX 33 *to P24T*	*0 256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	1925 ↘11/93
⤖	**450DX2/D** 6384-V50 VS2	d 212M-1.05G 13 IDE	486DX2 50/25 *to P24T*	128 *256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2075 ↘11/93
⤖	**466DX2/D** 6384-X70 XS3	d 340M-1.05G 14 IDE	486DX2 66/33 *to P24T*	128 *256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2555 ↘11/93
Reference:										
⤖	**425SX/Si** 6381-F30 FS4	d 120M-1.05G 15 IDE	486SX 25 *50/25*	0 0KB	4 /64	GD5428 1	2/0	✲ |✲	s/s /p /9	$1422 ↘11/93
⤖	**425SX/D** 6384-G40 GS4	d 170M-1.05G 14 IDE	486SX 25 *to P24T*	*0 256*	70ns	S3-805 1	4/1	✲■ |✲□	S/s /P /9	1710 ↘11/93
⤖	**433SX/D** 6384-L40 LS4	d 170M-1.05G 14 IDE	486SX 33 *to P24T*	*0 256*		S3-805 1	4/1	✲■ |✲□	S/s /P /9	1850 ↘11/93
⤖	**433DX/Si** 6381-M50 MS5	d 212M-1.05G 13 IDE	486DX 33 *to P24T*	*0 256*	"	W32 1	2/0	✲ |✲	*S/S*/p /9	1912 ↘11/93
⤖	**433DX/D** 6384-N50 NS5	d 212M-1.05G 13 IDE	486DX 33 *to P24T*	*0 256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2060 ↘11/93
⤖	**450DX2/D** 6384-V50 VS5	d 212M-1.05G 13 IDE	486DX2 50/25 *to P24T*	128 *256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2210 ↘11/93
⤖	**466DX2/D** 6384-X70 XS6	d 340M-1.05G 14 IDE	486DX2 66/33 *to P24T*	128 *256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2690 ↘11/93
Entertainment:										
⤖	**425SX/Si** 6381-F30 FS7	d 120M-1.05G 15 IDE	486SX 25 *50/25*	0 0KB	4 /64	GD5428 1	2/0	✲ |✲	s/s /p /9	$1477 ↘11/93
⤖	**425SX/D** 6384-G40 GS7	d 170M-1.05G 14 IDE	486SX 25 *to P24T*	*0 256*	70ns	S3-805 1	4/1	✲■ |✲□	S/s /P /9	1765 ↘11/93
⤖	**433SX/D** 6384-L40 LS7	d 170M-1.05G 14 IDE	486SX 33 *to P24T*	*0 256*		S3-805 1	4/1	✲■ |✲□	S/s /P /9	1905 ↘11/93
⤖	**433DX/Si** 6381-M50 MS8	d 212M-1.05G 13 IDE	486DX 33 *to P24T*	*0 256*	"	W32 1	2/0	✲ |✲	*S/S*/p /9	1967 ↘11/93
⤖	**433DX/D** 6384-N50 NS8	d 212M-1.05G 13 IDE	486DX 33 *to P24T*	*0 256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2115 ↘11/93
⤖	**450DX2/D** 6384-V50 VS8	d 212M-1.05G 13 IDE	486DX2 50/25 *to P24T*	128 *256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2265 ↘11/93
⤖	**466DX2/D** 6384-X70 XS9	d 340M-1.05G 14 IDE	486DX2 66/33 *to P24T*	128 *256*	"	S3-805 1	4/1	✲■ |✲□	S/s /P /9	2745 ↘11/93

Hardware preinstalled with **Office** models:
- ✧ *Creative Labs Sound Blaster™ 16 audio adapter*
- ✧ *IBM internal ISA CD-ROM Drive*
- ✧ *CD audio cable (internal - CD-ROM to Blaster)*
- ✧ *CD data cable (internal - CD-ROM to Blaster)*

Software preconfigured with **Office** models:
- ✧ *IBM DOS 6.1*
- ✧ *Microsoft® Windows™ 3.1*

All MVP systems ship with a CD containing over 80 popular software packages. The user can try the applications for free up to three times. The applications can be purchased by calling an 800# to receive a code to "unlock" the encrypted software.

Hardware preinstalled with **Reference** models:
- ✧ Same hardware as Office in *italics* above
- ✧ Creative Labs CT38 External Speakers
- ✧ Creative Labs Microphone (plug into Blaster)
- ✧ Mini-jack to RCA jack adapter

Software preconfigured with **Reference** models:
- ✧ Same software as Office in *italics* above
- ✧ Kodak Photo CD™ Access Software
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Hardware preinstalled with **Entertainment** models:
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- ✧ Creative Labs Microphone (plug into Blaster)
- ✧ Mini-jack to RCA jack adapter

Software preconfigured with **Entertainment** models:
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- ✧ The Multimedia Edition of Microsoft Works for Windows
- ✧ Microsoft Bookshelf
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- ✧ The Software Toolworks Encyclopedia
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- ✧ Headphone jack with volume control
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- ✧ Sequential data transfer rate – Normal velocity mode 150 KB/sec; – Double velocity mode 300 KB/sec
- ✧ Max data transfer rate (asynchronous) - 2.3 MB/sec
- ✧ Buffer memory capacity - 64 KB
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  - – Synthesized music (stereo)
  - – Microphone level audio (mono)
- ✧ 16 individual software programmable volume controls
  - – 11 volume controls with 32 levels attenuation in 2dB steps
  - – 1 volume control with 4 levels attenuation in 6 dB steps
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- ✧ Analog joystick port support; ✧ CD-ROM interface support

IBM PC Direct (1-800-IBM-2YOU) has numerous configurations of the Multimedia ValuePoint which include the configurations listed above.

Note 1: Dealer prices will vary.
No warranties are expressed in this summary.

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p = parallel/printer port
P = DMA parallel/printer port
s = Async port (19.2 Kbps) UART 16450
S = Async port (56 Kbps) UART 16550A
S = DMA async (345 Kbps) UART 16550A
9 = DOS 6.1 & Windows 3.1 preinstalled
0 0 = (non-italics) write-thru L2 cache
128 256 = (*italics*) write-back L2 cache
/D= DeskTop (5 slots x 5 bays); 6384

✲ bay occupied by standard diskette or hard disk or CD-ROM. CD-ROM occupies 5 1/4" bay.
■ open bay with NO front media access.
□ open bay with front media access.
↘ Price decrease effective February 7, 1994.
⤖ Systems withdrawn June 1994

(MVP93F) Compiled by Roger Dodson, IBM.
Current as of December 1994

IBM ValuePoint Reference (Fall 1993 models) - withdrawn

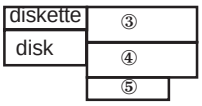
IBM® ValuePoint™:	⋊ 425SX /D	⋊ 433SX /D	⋊ 433DX /D /T	⋊ 450DX2 /D /T	⋊ 466DX2 /D /T
Type	6384	6384	6384, 6387	6384, 6387	6384, 6387
Models	Gxx	Lxx	Nxx	Vxx	Xxx
Processor / MHz	**486SX - 25 MHz**	**486SX - 33 MHz**	**486DX - 33 MHz**	**486DX2 - 50/25 MHz**	**486DX2 - 66/33 MHz**
Processor upgrade(s)	① 486DX - 33 MHz ② 486DX2 - 50/25 MHz ③ 486DX2 - 66/33 MHz ④ DX4-100/33 ⑤ P24T	① 486DX - 33 MHz ② 486DX2 - 66/33 ③ DX4-100/33 ④ P24T	① 486DX2 - 66/33 ② DX4-100/33 ③ P24T	① 486DX2 - 66/33 ② DX4-100/33 ③ P24T	① DX4-100/33 ② 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	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	128 KB / 256 KB
L2 cache - write policy	**Write-back**	**Write-back**	**Write-back**	**Write-back**	**Write-back**
L2 cache - organization	*All:* Direct mapped / SRAM / 15-20 ns			/D = write-thru SIMM	/D = write-thru SIMM
L2 cache - method	*All:* 1 total SIMM socket for either 128 or 256KB			/T = write-thru SIMM	/T = write-back SIMM

Memory - std / max	*All:* 4 or 8 / 64 MB	
Memory - speed / pins	*All:* 70 ns / 72 pin	Models xx0 = DOS 6.1/Windows 3.1 preinstalled with **4 MB** standard memory
Mem - supported SIMMs	*All:* 70, 80, or 85 ns	Models xx1 = DOS 6.1/Windows 3.1 preinstalled with **8 MB** standard memory
Mem - total sockets / avail	*All:* 4 sockets / 3 available	Models xx3 = OS/2 2.1 preinstalled with **8 MB** standard memory
Memory - type	*All:* Parity (IBM or ind std)	Models x00 = No operating system included since no hard disk w/ **4 MB** std memory
Memory controller RAS	*All:* Dual RAS	

Graphics - controller	*All:* 86C805 (on planar)	Rated at 17 Graphics WinMarks 3.11
Graphics - vendor	*All:* S3	
Graphics - type	*All:* SVGA - accelerator	
Graph - memory std/max	*All:* 1 / 2 MB (DRAM) 70 ns	
Graph - arch / data path	*All:* VESA local bus / 32 bit	
ISA 16 bit slots / avail	*All:* /D: 5 slots / 5 available *All:* /T: 6 slots / 6 available	
VL-Bus 32 bit slots / avail	*All:* 1 slot / 1 available	
Serial - ports	*All:* Two 9 pin	
Serial - controller	*All:* 1st: 16550A / DMA; 2nd: 16450 / non-DMA	
Serial - max speed	*All:* 1st: 345 Kbps; 2nd: 19.2 Kbps	
Parallel port	*All:* One (DMA) bidirectional	
Disk controller	*All:* IDE (16 bit)	
Diskette drive	*All:* 3.5" 1.44 MB	
BIOS	*All:* 128 KB Flash (IBM)	
Security	*All:* ① Cover key lock *All:* ② U-Bolt support *All:* ③ Diskette write inhibit *All:* ④ Serial/parallel port inhibit *All:* ⑤ Power-on password *All:* ⑥ Administrator password *All:* ⑦ Boot sequence control *All:* ⑧ Boot without keyboard/mouse	

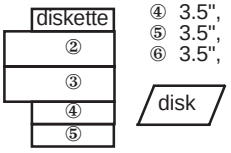
/D: Five bays: 6384

①	3.5",	SL	1",	access,	std diskette
②	3.5",	HH	1.6",	no access,	std disk (except x00)
③	5.25",	HH	1.6",	access,	open
④	5.25",	HH	1.6",	access,	open
⑤	3.5",	SL	1",	no access,	open



/T: Six bays: 6387

①	3.5",	SL	1",	access,	std diskette
②	5.25",	HH	1.6",	access,	open
③	5.25",	HH	1.6",	access,	open
④	3.5",	SL	1",	access,	open
⑤	3.5",	SL	1",	no access,	open
⑥	3.5",	HH	1.6",	no access,	std disk (except x00)



Preloaded software	*All:* DOS 6.1 / Windows™ 3.1 or OS/2® 2.1 (except diskless x00). Also see section in "memory" above.
Keyboard	*All:* Enhanced 101 keyboard
Mouse	*All:* IBM mouse
Sound	*All:* Speaker
Power supply watts	*All:* /D, /T: 200 watts / universal / manual switch
Available date	*All:* October 1993

S3 86C805 VIDEO MODES

Resolution	Frame Rate (Hz)	Line Rate (kHz)	I/NI	Mem-ory	Maximum colors/gray shades
640 x 480	60	31.5	NI	1 MB	16.7mil / 256
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 DX2 models only
(due to 110 MHz DAC on these planar boards)

1024 x 768	43.5	35	I	**2 MB**	65,536 / 256
1280 x 1024	60	64	NI	1 MB	16 / 16

OTHER STANDARD FEATURES

Dual orientation support
Unattended start mode
Ability to disable L1 or L2 cache for current boot

The Configuration Utility resides in Flash memory which can be invoked by pressing the F1 key during memory POST.

Diskettes and publications of preloaded operating system included (except diskless x00).

VALUEPOINT WARRANTY SERVICE SUPPORT

- **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**

⋊ Systems withdrawn December 1994
(4VP) Compiled by Roger Dodson, IBM. December 1994

IBM ValuePoint Reference (P60/D models) - withdrawn

IBM® ValuePoint™:	⋊ **P60 / D**
Type	6384
Models	189 = diskette, 424 MB, 13 ms 1A3 = diskette, 527 MB, 12 ms (193 = diskette, 527 MB, 9 ms - withdrawn July 1994) 1A9 = diskette, 527 MB, 12 ms (199 = diskette, 527 MB, 9 ms - withdrawn July 1994)
Processor / MHz	**Pentium 60 MHz**
Processor upgrade(s)	① Future Intel® Pentium™ OverDrive™ processors
Upgrade method	Remove CPU from 273 pin ZIF (Zero Insertion Force) socket
L2 cache - std / max	256 KB / 256 KB
L2 cache - write policy	Write-through
L2 cache - organization	Direct mapped / SRAM / 15 ns
L2 cache - method	Soldered on planar
Memory - std / max	8 MB (193, 1A3) or 16 MB (189, 199, 1A9) / 128 MB
Memory - speed / pins	70 ns / 72 pin
Memory - supported SIMMs	70 ns only (4, 8, 16, 32 MB SIMMs)
Mem - total sockets / avail	4 sockets / 2 available
Memory - type	Parity (industry standard only) [1]
Memory controller RAS	Dual RAS / 64 bit transfers to L2 cache and memory
Graphics - controller	68800AX (on planar) System rated at 41 Graphics WinMarks
Graphics - vendor	ATI™
Graphics - type	SVGA - accelerator
Graphics - memory std / max	1 / 2 MB (VRAM) 60 ns
Graphics - arch / data path	PCI local bus / 32 bit
ISA 16 bit slots / avail	3 slots / 3 available
PCI 32 bit slots / avail	2 slots / 2 available (4 total slots)
Serial - ports	Two 9 pin
Serial - controller / DMA	16550A / non-DMA
Serial - max speed	56 Kbps
Parallel port	One DMA bidirectional / Enhanced Capabilities Port (ECP) / 2-5 MB/sec max supported speed
Disk controller	IDE (16 bit)
Diskette drive	3.5" 1.44 MB
BIOS	128 KB Flash memory (AMI™)
Security	① Cover key lock ② U-Bolt support ③ Diskette write inhibit ④ Serial/parallel port inhibit ⑤ Power-on password ⑥ Administrator password ⑦ Boot sequence control ⑧ Boot without keyboard/mouse ⑨ Hard disk disable
Preloaded software	None; no operating system standard
Keyboard / mouse	Enhanced 101 keyboard / IBM enhanced mouse (400 dpi)
Sound	Speaker
Power supply	200 watt / universal / manual switch
Available / withdrawn date	October 1993 (189, 193, 199) and July 1994 (1A3, 1A9) / all withdrawn effective April 1995

Slot 1: half size, 16 bit ISA
Slot 2: full size, 16 bit ISA
Slot 3: full size, 32 bit PCI
Slot 4: half size, 32 bit PCI or 16 bit ISA

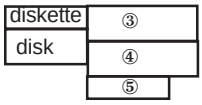
Memory must be installed in matched pairs because of the 64 bit transfer from Pentium to memory.

Note 1: Only uses SIMMs that use industry standard-type parity (not IBM-type parity).

The **Peripheral Component Interconnect** (PCI) bus is a 32 bit data and address I/O bus operating at up to 30 MHz on the P60/D. It is processor independent and supports both intrgrated devices such as the SVGA video on the P60/D planar and I/O slots for PCI adapters. Devices and adapters attached through the PCI bus may operate at speeds up to 120 MB per second.

The P60/D supports a new DMA mode called **Type F** which provides high performance DMA transfer capability. It may be used for fast I/O devices such as IDE devices. The 424 MB disk in the model 189 supports this.

/D: Five bays:
6384



①	3.5",	SL	1",	access,	std diskette
②	3.5",	HH	1.6",	no access,	std disk
③	5.25",	HH	1.6",	access,	open
④	5.25",	HH	1.6",	access,	open
⑤	3.5",	SL	1",	no access,	open

ATI 68800AX VIDEO MODES

Resolution	Frame Rate Hz (non-interlaced)	Memory required	Maximum colors/ gray shades	
640 x 480	60, 72	1 MB	65,536	/ 256
640 x 480	60	1 MB	16.7 mil	/ 256
800 x 600	50, 60, 70, 72, 76	1 MB	256	/ 256
800 x 600	44.5 (I), 47.5 (I)	1 MB	65,536	/ 256
800 x 600	56, 60	**2 MB**	65,536	/ 256
1024 x 768	43.5 (I)	1 MB	256	/ 256
1024 x 768	60, 66, 70, 72, 76	1 MB	256	/ 256
1280 x 1024	43.5 (I), 47.5 (I)	1 MB	16	/ 16
1280 x 1024	43.5 (I), 47.5 (I)	**2 MB**	256	/ 16

I = Interlaced

OTHER STANDARD FEATURES

Dual orientation support
Unattended start mode
Ability to disable L1 or L2 cache for current boot

The Configuration Utility resides in Flash memory which can be invoked by pressing the F1 key during memory POST.

VALUEPOINT WARRANTY SERVICE SUPPORT

- **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**

⋊ Withdrawn effective April 1995
(5VP) Compiled by Roger Dodson, IBM. February 1995

IBM ValuePoint Performance Series models - withdrawn

IBM® ValuePoint™ Performance Series: Type-model	Diskette Disk: std-max internal ms seek / interface	CPU MHz	/ Upgrade MHz	Write-back L2 cache std / max	Memory in MB; std / max all 70 ns	SVGA controller; memory std / max	Slots available (in bits) 16 ISA/32 VESA/*32 PCI* ↓	Total bays Std 3.5" | 5.25"	features	IBM Direct Price[1]	Available date
⤫ **433SX/Sp** 6472-C0D	d *Opt: up to 2 IDE*	486SX	*4 options for all:*	*0KB 256*	4 /128	S3-864	3/1/*0*	☼■ |□		$1265	May 94
⤫ **433SX/Sp** -C3B	d 270M-2.0G 12 IDE	33 MHz	listed below		4 /128	1 / 2 MB		☼☼ |□	W	1385	May 94
⤫ **433DX/Sp** 6472-H0D	d *Opt: up to 2 IDE*	486DX	*3 options for all:*	*0 256*	4 /128	S3-864	3/1/*0*	☼■ |□		1415	May 94
⤫ **433DX/Sp** -H3B	d 270M-2.0G 12 IDE	at	listed below	" "	4 /128	VL-Bus		☼☼ |□	W	1535	May 94
⤫ **433DX/Sp** " -H4F	d 364M-2.0G 12 IDE	33 MHz			8 /128	1 / 2 MB	"	☼☼ |□	W	1785	May 94
⤫ **450DX2/Sp** 6472-K0D	d *Opt: up to 2 IDE*	486DX2	① 486DX2-66/33	*128 256*	4 /128	S3-864	3/1/*0*	☼■ |□		1098↘	Oct 94
⤫ **450DX2/Sp** -K4B	d 364M-2.0G 12 IDE	at	② P24T (237 pin)		4 /128	VL-Bus		☼☼ |□	W	1288↘	Oct 94
⤫ **450DX2/Sp** -K5B	d 540M-2.0G 12 IDE	50/25		" "	4 /128	1 / 2 MB	"	☼☼ |□	W		Apr 95
⤫ **450DX2/Sp** " -K5F	d 540M-2.0G 12 IDE				8 /128		"	☼☼ |□	W	1587↘	Oct 94
⤫ **466DX2/Sp** 6472-L0D	d *Opt: up to 2 IDE*	486DX2	*2 options for all:*	*128 256*	4 /128	S3-864	3/1/*0*	☼■ |□		1150↘	May 94
⤫ **466DX2/Sp** -L4F	d 364M-2.0G 12 IDE	at	① P24T (237 pin)		8 /128	VL-Bus		☼☼ |□	W	1547↘	May 94
⤫ **466DX2/Sp** -L5F	d 540M-2.0G 12 IDE	66/33		" "	8 /128	1 / 2 MB	"	☼☼ |□	W		Apr 95
⤫ **466DX2/Sp** " -L5G	d 540M-2.0G 12 IDE				8 /128		"	☼☼ |□	2	1639↘	May 94
⤫ **433SX/Dp** 6482-C0D	d *Opt: up to 4 IDE*	486SX	① 486DX-33	*0 256*	4 /128	S3-864	5/1/*0*	☼■■ |□□		1325	May 94
⤫ **433SX/Dp** -C3B	d 270M-4.0G 12 IDE	at	② 486DX2-50/25		4 /128	VL-Bus	5/1/*0*	☼☼■ |□□	W	1445	May 94
⤫ **433SX/Dp** " -C3F	d 270M-4.0G 12 IDE	33 MHz	③ 486DX2-66/33	" "	8 /128	1 / 2 MB	5/1/*0*	☼☼■ |□□	W	1645	Aug 94
⤫ **433SX/Dp** ◉ " -CNB	d 270M-3.0G 12 IDE		④ P24T (237 pin)	" "	4 /128		4/1/*0*	☼☼■ |☼□	W /MM	1780	Jun 94
⤫ **433DX/Dp** 6482-H0D	d *Opt: up to 4 IDE*	486DX	*3 options for all:*	*0 256*	4 /128	S3-864	5/1/*0*	☼■■ |□□		1475	May 94
⤫ **433DX/Dp** -H3B	d 270M-4.0G 12 IDE	at	① 486DX2-50/25		4 /128	VL-Bus	5/1/*0*	☼☼■ |□□	W	1595	May 94
⤫ **433DX/Dp** " -H3G	d 270M-4.0G 12 IDE	33 MHz	② 486DX2-66/33	" "	8 /128	1 / 2 MB	5/1/*0*	☼☼■ |□□	2	1795	May 94
⤫ **433DX/Dp** " -H4F	d 364M-4.0G 12 IDE		③ P24T (237 pin)	" "	8 /128		5/1/*0*	☼☼■ |□□	W	1845	May 94
⤫ **433DX/Dp** " -H4G	d 364M-4.0G 12 IDE			" "	8 /128		5/1/*0*	☼☼■ |□□	2	1850	Aug 94
⤫ **433DX/Dp** 4-H4B	d 364M-4.0G 12 IDE			" "	4 /128		2/0/*2*	☼☼■ |□□	W /PCI	1755	Jun 94
⤫ **433DX/Dp** 4-H4G	d 364M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	2 /PCI	1955	Jun 94
⤫ **450DX2/Dp** 6482-K0D	d *Opt: up to 4 IDE*	486DX2	*2 options for all:*	*128 256*	4 /128	S3-864	5/1/*0*	☼■■ |□□		1185↘	Oct 94
⤫ **450DX2/Dp** -K4B	d 364M-4.0G 12 IDE	at	① 486DX2-66/33		4 /128	VL-Bus	5/1/*0*	☼☼■ |□□	W	1374↘	Oct 94
⤫ **450DX2/Dp** ◉ " -KPB	d 364M-3.0G 12 IDE	50/25	② P24T (237 pin)	" "	4 /128	1 / 2 MB	4/1/*0*	☼☼■ |☼□	W /MM	1719↘	Oct 94
⤫ **450DX2/Dp** " -K4F	d 364M-4.0G 12 IDE			" "	8 /128		5/1/*0*	☼☼■ |□□	W	1581↘	Oct 94
⤫ **450DX2/Dp** -K5B	d 540M-4.0G 12 IDE			" "	4 /128		5/1/*0*	☼☼■ |□□	W		Apr 95
⤫ **450DX2/Dp** " -K5F	d 540M-4.0G 12 IDE			" "	8 /128		5/1/*0*	☼☼■ |□□	W	1673↘	Oct 94
⤫ **450DX2/Dp** " -K5G	d 540M-4.0G 12 IDE			" "	8 /128		5/1/*0*	☼☼■ |□□	2	1673↘	Oct 94
⤫ **450DX2/Dp** 4-K5F	d 540M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	W /PCI	1760↘	Oct 94
⤫ **450DX2/Dp** 4-K5G	d 540M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	2 /PCI	1760↘	Oct 94
⤫ **466DX2/Dp** 6482-L0D	d *Opt: up to 4 IDE*	486DX2	*1 options for all:*	*128 256*	4 /128	S3-864	5/1/*0*	☼■■ |□□		1236↘	May 94
⤫ **466DX2/Dp** -L3F	d 270M-4.0G 12 IDE	at	① P24T (237 pin)		8 /128	VL-Bus	5/1/*0*	☼☼■ |□□	W	2025	Aug 94
⤫ **466DX2/Dp** " -L4F	d 364M-4.0G 12 IDE	66/33		" "	8 /128	1 / 2 MB	5/1/*0*	☼☼■ |□□	W	1633↘	May 94
⤫ **466DX2/Dp** ◉ " -LPF	d 364M-3.0G 12 IDE			" "	8 /128		4/1/*0*	☼☼■ |☼□	W /MM	1978↘	Jun 94
⤫ **466DX2/Dp** " -L4G	d 364M-4.0G 12 IDE			" "	8 /128		5/1/*0*	☼☼■ |□□	2	1633↘	May 94
⤫ **466DX2/Dp** " -L5G	d 540M-4.0G 12 IDE			" "	8 /128		5/1/*0*	☼☼■ |□□	2	1725↘	Aug 94
⤫ **466DX2/Dp** " -L5F	d 540M-4.0G 12 IDE			" "	8 /128		5/1/*0*	☼☼■ |□□	W	1725↘	May 94
⤫ **466DX2/Dp** 4-L4F	d 364M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	W /PCI	1719↘	Jun 94
⤫ **466DX2/Dp** " 4-L5F	d 540M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	W /PCI		Apr 95
⤫ **466DX2/Dp** 4-L5G	d 540M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	2 /PCI	1811↘	Jun 94
⤫ **100DX4/Dp** 6482-X0D	d *Opt: up to 4 IDE*	DX4	*1 option for all:*	*256 256*	4 /128	S3-864	5/1/*0*	☼■■ |□□		1432↘	May 94
⤫ **100DX4/Dp** -X4F	d 364M-4.0G 12 IDE	at	① P24CT		8 /128	VL-Bus	5/1/*0*	☼☼■ |□□	W	1829↘	May 94
⤫ **100DX4/Dp** " -X5F	d 540M-4.0G 12 IDE	100/50		" "	8 /128	1 / 2 MB	5/1/*0*	☼☼■ |□□	W	1921↘	Aug 94
⤫ **100DX4/Dp** 4-X4G	d 364M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	2 /PCI	1915↘	Jun 94
⤫ **100DX4/Dp** 4-X4F	d 364M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	W /PCI	1915↘	Aug 94
⤫ **100DX4/Dp** 4-X5F	d 540M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	W /PCI	2007↘	Jun 94
⤫ **100DX4/Dp** 4-X5G	d 540M-4.0G 12 IDE			" "	8 /128		2/0/*2*	☼☼■ |□□	2 /PCI	2007↘	Jun 94
⤫ **466DX2/Tp** 6492-L0D	d *Opt: up to 4 IDE*	486DX2	*1 options for all:*	*128 256*	4 /128	S3-864	8/1/*0*	☼■□■ |□□		1351↘	May 94
⤫ **466DX2/Tp** -L4F	d 364M-4.0G 12 IDE	at	① P24T (237 pin)		8 /128	VL-Bus	8/1/*0*	☼☼□■ |□□	W	1748↘	May 94
⤫ **466DX2/Tp** " -L5F	d 540M-4.0G 12 IDE	66/33		" "	8 /128	1 / 2 MB	8/1/*0*	☼☼□■ |□□	W	1840↘	May 94
⤫ **466DX2/Tp** 4-L5F	d 540M-4.0G 12 IDE			" "	8 /128		4/0/*3*	☼☼□■ |□□	W /PCI	1926↘	Jun 94
⤫ **466DX2/Tp** 4-L5G	d 540M-4.0G 12 IDE			" "	8 /128		4/0/*3*	☼☼□■ |□□	2 /PCI	1926↘	Jun 94
⤫ **100DX4/Tp** 6492-X0D	d *Opt: up to 4 IDE*	DX4	*1 option for all:*	*256 256*	4 /128	S3-864	8/1/*0*	☼■□■ |□□		1547↘	May 94
⤫ **100DX4/Tp** -X4F	d 364M-4.0G 12 IDE	at	① P24CT(237pin)		8 /128	VL-Bus	8/1/*0*	☼☼□■ |□□	W	1944↘	May 94
⤫ **100DX4/Tp** 4-X5F	d 540M-4.0G 12 IDE	100/50		" "	8 /128	1 / 2 MB	4/0/*3*	☼☼□■ |□□	W /PCI	2122↘	Jun 94
⤫ **100DX4/Tp** 4-X5G	d 540M-4.0G 12 IDE			" "	8 /128		4/0/*3*	☼☼□■ |□□	2 /PCI	2122↘	Jun 94

64 _ _ _ _ _ _

7	3 x 3 SpaceSaver (no PCI)
8	5 x 5 Desktop
9	8 x 6 Mini-Tower
2	VESA 2.0 local bus
4	VESA 2.0 and PCI local bus
C	486SX at 33 MHz
H	486DX at 33 MHz
K	486DX2 at 50/25 MHz
L	486DX2 at 66/33 MHz; 128 KB
X	DX4 at 100/50 MHz; 256 KB
0	No disk (diskless)
3	270 MB
4	364 MB
5	540 MB
N	270 with Multimedia
P	364 with Multimedia
R	540 with Multimedia
D	4 MB (diskless)
B	4 MB with DOS/Windows
H	8 MB (diskless)
F	8 MB with DOS/Windows
G	8 MB with OS/2 2.11

Note 1: Dealer prices will vary
No warranties are expressed in this summary
(VP94S) Compiled by Roger Dodson, IBM

Current as of December 1995

PERFORMANCE SERIES FEATURES

Plug and Play capable
VESA version 2.0 compliant
SelectaBus™: VESA 2.0 or PCI 2.0 bus (via ISA/VESA Riser Option or ISA/PCI Riser Option; $115)
237 pin ZIF socket (upgrades)
VESA 2.0 local bus Enhanced IDE supports 4 devices including IDE CD-ROM
4 SIMM sockets - 72 pin SIMMs - Parity
VESA 2.0 local bus 64 bit graphics accelerator
Easy to use diagnostics via QAPlus/Win™
IBM Enhanced 101 keyboard & IBM mouse

HELPWARE for PERFORMANCE SERIES

- **3 year warranty (international)**
- **On site warranty 1st year**
- **8 am - 5 pm Mon - Fri coverage**
- **Next day response time**
- **Carry in 2nd/3rd years**
- **Warranty upgrade options:**

	On site (next day)	7 day x 24 hr
Year 1	Standard	$ 30
Year 2	$ 30	on site + $ 10
Year 3	$ 30	on site + $ 10

- **Post warranty: on site options**
- **24 hour / 7 day telephone, bulletin board, fax, and electronic support**
- **30 day money back guarantee**

d = 1.44 MB 3.5" diskette drive
MM = Multimedia models with double speed CD-ROM drive, Media Vision® JAZZ 16 sound adapter, speakers, and microphone
2 = OS/2® 2.11 preinstalled
W = IBM DOS 6.3 & Windows™ 3.11 preinst
PCI = PCI slots available (qnty in left column)
128 256 = (italics) write-back L2 cache
⤫ Withdrawn from marketing
↘ Price decrease effective March 9, 1995
☼ bay used by standard diskette or hard disk
■ open bay with NO front media access
□ open bay with front media access
◉ Multimedia model
☞ All models announced May 17, Aug 23, Oct 17, 1994 and April 11, 1995

IBM ValuePoint - Fall 1993 models / P60/D - withdrawn

IBM® ValuePoint™: ValuePoint Type-model	Diskette Disk: std-max internal ms seek / interface	CPU MHz	/ Upgrade MHz	L2 cache std / max	Memory in MB; std / max all 70 ns	SVGA controller; memory std / max	Slots available 16 bit/32 bit VL-Bus ↓	Total bays 3.5" | 5.25"	Std features	Available IBM Direct Price[1]	date
Models announced October 18, 1993 or July 5, 1994:											
⋊ **425SX/D** 6384-G00	d *Opt: up to 2 IDE*	486SX	① 486DX-33	*0KB 256*	4 /64	S3-805	5/1	☼■■ |□□	S/s/P	$1000	Oct 93
⋊ **425SX/D** -G40	d 170M-1.05G 14 IDE	at	② 486DX2-50/25		4 /64	local bus		☼☼■ |□□	S/s/P /9 ❁	1170	Oct 93
⋊ **425SX/D** " -G41	d 170M-1.05G 14 IDE	25 MHz	③ 486DX2-66/33	" "	8 /64	1 / 2 MB	"	☼☼■ |□□	S/s/P /9	1370	Oct 93
⋊ **425SX/D** " -G50	d 245M-1.05G 14 IDE		④ DX4-100/33	" "	4 /64		"	☼☼■ |□□	S/s/P /9	1280	Oct 93
⋊ **425SX/D** " -G53	d 245M-1.05G 14 IDE	"	⑤ P24T (238 pin)	" "	8 /64	"	"	☼☼■ |□□	S/s/P /1	1480	Oct 93
⋊ **433SX/D** 6384-L00	d *Opt: up to 2 IDE*	486SX	*5 options listed*	*0 256*	4 /64	S3-805	5/1	☼■■ |□□	S/s/P	1030	Oct 93
⋊ **433SX/D** -L40	d 170M-1.05G 14 IDE	at	*above*		4 /64	local bus		☼☼■ |□□	S/s/P /9 ❁	1200	Oct 93
⋊ **433SX/D** " -L41	d 170M-1.05G 14 IDE	33 MHz		" "	8 /64	1 / 2 MB	"	☼☼■ |□□	S/s/P /9	1400	Oct 93
⋊ **433SX/D** " -L50	d 245M-1.05G 14 IDE			" "	4 /64		"	☼☼■ |□□	S/s/P /9	1310	Oct 93
⋊ **433SX/D** " -L53	d 245M-1.05G 14 IDE	"		" "	8 /64	"	"	☼☼■ |□□	S/s/P /1	1510	Oct 93
⋊ **433DX/D** 6384-N00	d *Opt: up to 2 IDE*	486DX	*4 options for all:*	*0 256*	4 /64	S3-805	5/1	☼■■ |□□	S/s/P	1380	Oct 93
⋊ **433DX/D** -N50	d 212M-1.05G 13 IDE	at	① 486DX-33		4 /64	local bus		☼☼■ |□□	S/s/P /9 ❁	1550	Oct 93
⋊ **433DX/D** " -N51	d 212M-1.05G 13 IDE	33 MHz	② 486DX2-66/33	" "	8 /64	1 / 2 MB	"	☼☼■ |□□	S/s/P /9	1750	Oct 93
⋊ **433DX/D** " -N53	d 212M-1.05G 13 IDE		③ DX4-100/33	" "	8 /64		"	☼☼■ |□□	S/s/P /1	1750	Oct 93
⋊ **433DX/D** " -N70	d 340M-1.05G 14 IDE		④ P24T (238 pin)	" "	4 /64	"	"	☼☼■ |□□	S/s/P /9	1660	Oct 93
⋊ **433DX/D** " -N73	d 340M-1.05G 14 IDE	"		" "	8 /64	"	"	☼☼■ |□□	S/s/P /1	1860	Oct 93
⋊ **433DX/T** 6387-N00	d *Opt: up to 2 IDE*	486DX	*4 options for all:*	*0 256*	4 /64	S3-805	8/1	☼■□■|□□	S/s/P	1500	Oct 93
⋊ **433DX/T** -N50	d 212M-1.05G 13 IDE	at	① 486DX-33		4 /64	local bus		☼☼□■|□□	S/s/P /9	1670	Oct 93
⋊ **433DX/T** " -N70	d 340M-1.05G 14 IDE	33 MHz	② 486DX2-66/33	" "	4 /64	1 / 2 MB	"	☼☼□■|□□	S/s/P /9	1780	Oct 93
⋊ **433DX/T** " -N71	d 340M-1.05G 14 IDE		③ DX4-100/33	" "	8 /64		"	☼☼□■|□□	S/s/P /9	1980	Oct 93
⋊ **433DX/T** " -N73	d 340M-1.05G 14 IDE	"	④ P24T (238 pin)	" "	8 /64	"	"	☼☼□■|□□	S/s/P /1	1980	Oct 93
⋊ **450DX2/D** 6384-V00	d *Opt: up to 2 IDE*	486DX2	*3 options for all:*	128 *256*	4 /64	S3-805	5/1	☼■■ |□□	S/s/P	1370↘	Oct 93
⋊ **450DX2/D** -V50	d 212M-1.05G 13 IDE	at	① 486DX2-66/33		4 /64	local bus		☼☼■ |□□	S/s/P /9 ❁	1540↘	Oct 93
⋊ **450DX2/D** " -V51	d 212M-1.05G 13 IDE	50/25	② DX4-100/33	" "	8 /64	1 / 2 MB	"	☼☼■ |□□	S/s/P /9	1740↘	Oct 93
⋊ **450DX2/D** " -V70	d 340M-1.05G 14 IDE		③ P24T (238 pin)	" "	4 /64		"	☼☼■ |□□	S/s/P /9	1650↘	Oct 93
⋊ **450DX2/D** " -V73	d 340M-1.05G 14 IDE	"		" "	8 /64	"	"	☼☼■ |□□	S/s/P /1	1850↘	Oct 93
⋊ **450DX2/T** 6387-V00	d *Opt: up to 2 IDE*	486DX2	*3 options for all:*	128 *256*	4 /64	S3-805	8/1	☼■□■|□□	S/s/P	1490↘	Oct 93
⋊ **450DX2/T** -V50	d 212M-1.05G 13 IDE	at	① 486DX2-66/33		4 /64	local bus		☼☼□■|□□	S/s/P /9	1660↘	Oct 93
⋊ **450DX2/T** " -V81	d 424M-1.05G 14 IDE	50/25	② DX4-100/33	" "	8 /64	1 / 2 MB	"	☼☼□■|□□	S/s/P /9	2100↘	Oct 93
⋊ **450DX2/T** " -V83	d 424M-1.05G 14 IDE		③ P24T (238 pin)	" "	8 /64		"	☼☼□■|□□	S/s/P /1	2100↘	Oct 93
⋊ **466DX2/D** 6384-X00	d *Opt: up to 2 IDE*	486DX2	*2 options for all:*	128 *256*	4 /64	S3-805	5/1	☼■■ |□□	S/s/P	1790	Oct 93
⋊ **466DX2/D** -X50	d 212M-1.05G 13 IDE	at	① DX4-100/33		4 /64	local bus		☼☼■ |□□	S/s/P /9	1960	Oct 93
⋊ **466DX2/D** " -X51	d 212M-1.05G 13 IDE	66/33	② P24T (238 pin)	" "	8 /64	1 / 2 MB	"	☼☼■ |□□	S/s/P /9	2160	Oct 93
⋊ **466DX2/D** " -X70	d 340M-1.05G 14 IDE			" "	4 /64		"	☼☼■ |□□	S/s/P /9 ❁	2070	Oct 93
⋊ **466DX2/D** " -X73	d 340M-1.05G 14 IDE	"		" "	8 /64	"	"	☼☼■ |□□	S/s/P /1	2270	Oct 93
⋊ **466DX2/T** 6387-X00	d *Opt: up to 2 IDE*	486DX2	*2 options for all:*	*128 256*	4 /64	S3-805	8/1	☼■□■|□□	S/s/P	1900	Oct 93
⋊ **466DX2/T** -X70	d 340M-1.05G 14 IDE	at	① DX4-100/33		4 /64	local bus		☼☼□■|□□	S/s/P /9	2190	Oct 93
⋊ **466DX2/T** " -X91	d 527M-1.05G 9 IDE	66/33	② P24T (238 pin)	" "	8 /64	1 / 2 MB	"	☼☼□■|□□	S/s/P /9	2530	Oct 93
⋊ **466DX2/T** " -X93	d 527M-1.05G 9 IDE			" "	8 /64		"	☼☼□■|□□	S/s/P /1	2530	Oct 93
⋊ **P60/D** 6384-189	d 424M-1.05G 13 IDE	Pentium	*1 option for all:*	256 256	16 /128	68800AX	3/0	☼☼■ |□□	*S/S/P*	3170	Oct 93
⋊ **P60/D** 6384-193	d 527M-1.05G 9 IDE	at	① future Pentium	256 256	8 /128	PCI local	3/0	☼☼■ |□□	*S/S/P*	2860	Feb 94
⋊ **P60/D** 6384-1A3	d 527M-1.05G 12 IDE	60 MHz	OverDrive™	256 256	8 /128	1 / 2 MB	3/0	☼☼■ |□□	*S/S/P*	2860	Jul 94
⋊ **P60/D** 6384-199	d 527M-1.05G 9 IDE		(273 pin)	256 256	16 /128		3/0	☼☼■ |□□	*S/S/P*	3320	Oct 94
⋊ **P60/D** 6384-1A9	d 527M-1.05G 12 IDE			256 256	16 /128		3/0	☼☼■ |□□	*S/S/P*	3320	Jul 94
							4 total slots: 1 PCI, 1 PCI/ISA, 2 ISA				

MULTIMEDIA VALUEPOINT (MVP Series)

The following models are available as preconfigured multimedia units with **double speed CD-ROM/XA** and Creative Labs **Sound Blaster™ 16** audio adapter. Additional peripherals and software are available in three configurations: Office, Reference, or Entertainment.

ValuePoint listed above	Office	Reference	Entertainment
6384-G40	GS1	GS4	GS7
6384-L40	LS1	LS4	LS7
6384-N50	NS2	NS5	NS8
6384-V50	VS2	VS5	VS8
6384-X70	XS3	XS6	XS9

See MVP93F sheet for details on multimedia models.

VALUEPOINT FEATURES (FALL 1993 MODELS)

ISA architecture (AT bus)
1 available 32 bit VESA local bus slot
238 pin ZIF socket (upgrades)
Write-back L2 cache controller
All memory on planar (local bus)
Parity memory
4 SIMM sockets - 72 pin SIMMs
Standard memory uses only one socket
SVGA video (up to 1280 x 1024)
VESA local bus 32 bit graphics accelerator
86C805 allows 2 MB video memory
IBM mouse (except LAN diskless)
IBM Enhanced 101 keyboard
128 KB flash mem for BIOS/POST
200 watt power supply
Many security features

d = 1.44 MB 3.5" diskette drive
P = DMA parallel port
P = DMA parallel port ECP 2-5 MB/sec
s = Async port (19.2 KBps) UART 16450
S = Async port (56 KBps) UART 16550A
S = DMA async (345 KBps) UART 16550A
1 = OS/2® 2.1 preinstalled
9 = DOS 6.1 & Windows™ 3.1 preinstalled
128 256 = (italics) write-back L2 cache
128 = (not italic) write-thru L2 cache SIMM

Si = SpaceSaver Introductory 3/3; 6381
/S = SpaceSaver (3 slts x 3 bays); 6382
/D = DeskTop (5 slots x 5 bays); 6384
/T = Mini-Tower (8 slots x 6 bays); 6387

VALUEPOINT WARRANTY SERVICE SUPPORT

- **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**

☼ bay occupied by standard diskette or hard disk.
■ open bay with NO front media access.
□ open bay with front media access.
❁ Multimedia models available.
↘ Price decrease effective July 13, 1994.
☞ Announced July 12, 1994
⋊ Systems withdrawn

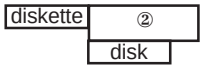
Note 1: Dealer prices will vary. No warranties are expressed or implied in this summary.

(VP93F) Compiled by Roger Dodson, IBM
Current as of February 1995

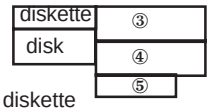
IBM ValuePoint Performance Series - withdrawn

IBM® ValuePoint™ Performance Series:	⋊ 433SX /Sp /Dp	⋊ 433DX /Sp /Dp	⋊ 450DX2 /Sp /Dp	⋊ 466DX2 /Sp /Dp /Tp	⋊ 100DX4 /Dp /Tp
Type	6472, 6482	6472, 6482, 6384	6472, 6482, 6284	6472, 6482, 6484, 6492, 6494	6482, 6484, 6492, 6494
Models	64xx-Cxx	64xx-Hxx	64xx-Kxx	64xx-Lxx	64xx-Xxx
Processor / MHz	**486SX - 33 MHz**	**486DX - 33 MHz**	**486DX2 - 50/25 MHz**	**486DX2 - 66/33 MHz**	**DX4 - 100/50 MHz**
Processor upgrade(s)	① 486DX - 33 MHz ② 486DX2 - 50/25 ③ 486DX2 - 66/33 ④ P24T	① 486DX2 - 50/25 ② 486DX2 - 66/33 ③ P24T	① 486DX2 - 66/33 ② P24T	① P24T (Pentium OverDrive)	① P24CT
	ValuePoint Performance Series do not support IntelDX4 OverDrive Upgrades due to cache and IDE timing incompatibilities				
Upgrade method	*All:* Remove CPU from 237 pin Zero Insertion Force (ZIF) socket (Intel® Socket 3)				
L2 cache - std / max	0 KB / 256 KB	0 KB / 256 KB	128 KB / 256 KB	128 KB / 256 KB	256 KB / 256 KB
L2 cache - write policy	*All:* **Write-back**				
L2 cache - organization	*All:* Direct mapped / SRAM / 15 ns				
L2 cache - method	*All:* 6 DIP modules = 128 KB; add 4 more DIP for 256 KB				
Memory - std / max	*All:* 4 or 8 / 128 MB (70 ns / 72 pin)				
Mem - supported SIMMs	*All:* 70 ns only (4, 8, 16, 32 MB SIMMs)				
Mem - total sockets / avail	*All:* 4 sockets / 3 available				
Memory - type	*All:* Parity (industry standard)				
Memory controller RAS	*All:* Dual RAS (does not look at PD bits)				
Graphics - vend/controller	*All:* S3 / Vision864 (on planar)				
Graphics - type	*All:* SVGA - 64 bit accelerator				
Graph - memory std/max	*All:* 1 / 2 MB (DRAM) 60 ns				
Graphics - transfers	*All:* 32 bit transfers w/ 1 MB; 64 bit w/ 2 MB				
Graph - arch / data path	*All:* VESA VL-Bus 2.0 / 32 bit				
Graphics - WinMarks 3.11	*All:* 1 MB = 28; 2 MB = 63 *1024x768x256*				
Graphics - WinMarks 4.0	*All:* 1 MB = 17; 2 MB = 25 *at 70 Hz*				
Serial - ports / max speed	*All:* Two 9 pin / 115 Kbps				
Serial - controller	*All:* 16550A / non-DMA				
Parallel port	*All:* One bidirectional (AT, PS/2, EPP, ECP)				
Parallel port	*All:* DMA only in ECP mode (need drivers)				
Disk controller	*All:* Enhanced IDE on 32 bit VL-Bus 2.0				
PC Mag 8.0 Disk Test	*All:* 1614				
Diskette drive	*All:* 3.5" 1.44 MB (supports 2.88 MB drive)				
BIOS (vendor)	*All:* 128 KB Flash (SurePath™)				
Security	*All:* ① Cover key lock, ② U-Bolt support *All:* ③ Diskette write inhibit *All:* ④ Serial/parallel port inhibit *All:* ⑤ Power-on, ⑥ Administrator password *All:* ⑦ Boot sequence control *All:* ⑧ Boot without keyboard/mouse *All:* ⑨ Hard disk disable ⑩ Diskette disable				
Preloaded software	*All:* IBM DOS 6.3 / Windows™ 3.11 or OS/2® 2.11 (no software for diskless)				
Keyboard	*All:* Enhanced 101 keyboard				
Mouse	*All:* IBM Enhanced mouse (400 dpi)				
Sound	*All:* Speaker				
Power supply	*All:* /S: 100; /D: 200; /T: 250 watts *All:* Universal / manual switch *All:* Built in overload and surge protection				
Available date	May 1994 (June 1994 for PCI & MM) October 1994 for all DX2-50/25 models				

/Sp: 3 bays: 6472, SpaceSaver
① 3.5", SL 1", access, std diskette
② 5.25", HH 1.6", access, open
③ 3.5", SL 1", no access, std disk (not diskless)



Slot 1: fullsize, 16 bit ISA or 32 bit VESA 2.0
Slot 2: fullsize, 16 bit ISA
Slot 3: halfsize, 16 bit ISA

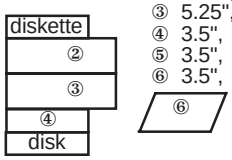


/Dp: 5 bays: 648x, Desktop
① 3.5", SL 1", access, std diskette
② 3.5", HH 1.6", no access, std disk (not diskless)
③ 5.25", HH 1.6", access, open
④ 5.25", HH 1.6", access, open
⑤ 3.5", SL 1", no access, open

6482
Slot 1: fullsize, 16 bit ISA or 32 bit VESA 2.0
Slot 2: fullsize, 16 bit ISA
Slot 3: fullsize, 16 bit ISA
Slot 4: fullsize, 16 bit ISA
Slot 5: halfsize, 16 bit ISA

6484
Slot 1: fullsize, 16 bit ISA or 32 bit PCI 2.0 (3.3/5v)
Slot 2: fullsize, 32 bit PCI 2.0 (3.3/5v)
Slot 3: fullsize, 16 bit ISA
Slot 4: halfsize, 16 bit ISA

/Tp: 6 bays: 649x
① 3.5", SL 1", access, std diskette
② 5.25", HH 1.6", access, open
③ 5.25", HH 1.6", access, open
④ 3.5", SL 1", access, open
⑤ 3.5", SL 1", no access, std disk (not diskless)
⑥ 3.5", HH 1.6", no access, open



6492
Slot 1: fullsize, 16 bit ISA
Slot 2: fullsize, 16 bit ISA
Slot 3: fullsize, 16 bit ISA
Slot 4: fullsize, 16 bit ISA
Slot 5: fullsize, 16 bit ISA
Slot 6: fullsize, 16 bit ISA or 32 bit VESA 2.0
Slot 7: halfsize, 8 bit ISA
Slot 8: halfsize, 8 bit ISA

6494
Slot 1: fullsize, 16 bit ISA or 32 bit PCI 2.0 (3.3/5v)
Slot 2: fullsize, 32 bit PCI 2.0 (3.3/5v)
Slot 3: fullsize, 32 bit PCI 2.0 (3.3/5v)
Slot 4: fullsize, 16 bit ISA
Slot 5: fullsize, 16 bit ISA
Slot 6: halfsize, 16 bit ISA
Slot 7: halfsize, 16 bit ISA

S3 Vision864 VIDEO MODES

Resolution	Frame Rate Hz (non-interlaced)	Memory required	Maximum colors/ gray shades	
640 x 480	60, 72, 75	1 MB	65,536	/ 64
640 x 480	60, 72, 75	**2 MB**	16.7 mil	/ 64
800 x 600	56, 60, 72, 75	1 MB	256	/ 64
800 x 600	60, 72, 75	1 MB	65,536	/ 64
800 x 600	56, 60, 72, 75	**2 MB**	16.7 mil	/ 64
1024 x 768	43.5(I),60,70,72,75	1 MB	256	/ 64
1024 x 768	43.5(I),60,70,72,75	**2 MB**	65,536	/ 64
1280 x 1024	43.5 (I), 60, 72, 75	1 MB	16	/ 64
1280 x 1024	43.5 (I), 60, 72, 75	**2 MB**	256	/ 64
1600 x 1200	49 (I)	**2 MB**	256	/ 64

Multimedia models include double speed CD-ROM drive plugged into a Media Vision® JAZZ 16 sound adapter with speakers and microphone.
OS/2 preload: op sys, publications, and diskettes included.
Windows preload: op sys, publications included, but must cut diskettes via Diskette Factory (includes QAPlus/Win™).
Diskless: no op sys (and its pubs or diskettes) included.

OTHER STANDARD FEATURES

Dual orientation support (except Tp).
Unattended start mode.
Ability to disable L1 or L2 cache for current boot.
The Configuration Utility resides in flash memory; invoked by pressing F1 key during memory POST.
Plug-and-Play capable.
Choice of riser cards for Desktop and Tower for either 1 VL-Bus slot or 2/3 PCI slots in addition to the ISA slots (SelectaBus™).
Enhanced IDE supports 4 devices and has 2 modes ① Compatible (Mode 0; prefetch off) or ② High Performance (Mode 1, 2, 3; prefetch on).
VESA version 2.0 compliant.
Advanced Power Mgmt 1.1.
Auto Vertical Refresh Rate utility.
ISO 9241-3 capable.

All /Sp SpaceSaver and /Dp Desktop are **Energy Star** compliant except for models with the 540 MB disk.

PERFORMANCE SERIES WARRANTY SERVICE SUPPORT

- **3 year warranty (international)**
- **On site warranty 1st year**
- **8 am - 5 pm Mon - Fri coverage**
- **Next day response time**
- **Carry in 2nd/3rd years**
- **Warranty upgrade options:**

	On site (next day)	7 day x 24 hr
Year 1	Standard	$ 30
Year 2	$ 30	on site + $ 10
Year 3	$ 30	on site + $ 10

- **Post warranty: on site options**
- **24 hour / 7 day telephone, bulletin board, fax, and electronic support**
- **30 day money back guarantee**

I = Interlaced; ⋊ = Systems withdrawn effective December 1994 and August 1995
(6VP) Compiled by Roger Dodson, IBM. December 1995

IBM ValuePoint Si - withdrawn

IBM® ValuePoint™: Type-model	Diskette Disk: std-max internal ms seek / interface	CPU MHz	/ Upgrade MHz	L2 cache std / max	Memory in MB; std / max all 70 ns	SVGA controller; memory std / max	Slots available 16 bit/32 bit VL-Bus ↓	Total bays 3.5" | 5.25"	Std features	Available IBM Direct Price [1] date
Models announced July 29 or Oct 18, 1993:										
⋊ **425SX/Si** 6381-F00	d *Opt: up to 2 IDE*	486SX	*1 option for all:*	0KB 0KB	4 /64	GD5428	3/0	✲■ |□	s/s /p	$ 749 Aug 93
⋊ **425SX/Si**❁ -F30	d 120M-1.05G 15 IDE	at	① 486DX2-50/25	" "	"	local bus	3/0	✲✲ |□	s/s /p/9❁	875 Aug 93
⋊ **425SX/Si** " -F50	d 212M-1.05G 13 IDE	25 MHz		" "	"	.5 / 1 MB	3/0	✲✲ |□	s/s /p/9❁	944 ↘ Aug 93
⋊ **433DX/Si** 6381-M00	d *Opt: up to 2 IDE*	486DX	*2 options for all:*	*0 256*	4 /64	ET4000	3/0	✲■ |□	*S/S*/p	1140 Aug 93
⋊ **433DX/Si** -M30	d 120M-1.05G 15 IDE	at	① 486DX2-66/33			W32 local	3/0	✲✲ |□	*S/S*/p/9	1310 Aug 93
⋊ **433DX/Si**❁ " -M50	d 212M-1.05G 13 IDE	33 MHz	② P24T (238 pin)	" "	"	.5 / 1 MB	3/0	✲✲ |□	*S/S*/p/9	1289 ↘ Aug 93
⋊ **466DX2/Si** 6381-W00	d *Opt: up to 2 IDE*	486DX2	*1 option for all:*	*0 256*	4 /64	ET4000	3/0	✲■ |□	*S/S*/p	1540 Oct 93
⋊ **466DX2/Si** -W30	d 120M-1.05G 15 IDE	at	① P24T (238 pin)			W32 local	3/0	✲✲ |□	*S/S*/p/9	1710 Oct 93
⋊ **466DX2/Si** " -W50	d 212M-1.05G 13 IDE	66/33		" "	"	.5 / 1 MB	3/0	✲✲ |□	*S/S*/p/9	1689 ↘ Oct 93

ValuePoint for AS/400 *announced October 18, 1993*

⋊ **425SX/Si**	6381-FP0	Same as **F30** above	5250 Emulation Adapter (Twinax)	1900 Nov 93
⋊ **425SX/Si**	-FR0	486SX, 25 MHz,	16/4 Token-Ring	1900 Nov 93
⋊ **425SX/Si**	-FN0	120 MB, 4 MB, 3x3	Ethernet 10Base2	1700 Nov 93
⋊ **425SX/Si**	-FN1	but with 1 slot used	Ethernet 10BaseT	1654 ↘ Nov 93
⋊ **433DX/Si**	6381-MP0	Same as **M50** above	5250 Emulation Adapter (Twinax)	2250 ↘ Nov 93
⋊ **433DX/Si**	-MR0	486DX, 33 MHz,	16/4 Token-Ring	2250 ↘ Nov 93
⋊ **433DX/Si**	-MN0	212 MB, 4 MB, 3x3	Ethernet 10Base2	2050 ↘ Nov 93
⋊ **433DX/Si**	-MN1	but with 1 slot used	Ethernet 10BaseT	2050 ↘ Nov 93

Software that is preinstalled and preconfigured on AS/400 models:

IBM DOS 6.1	1654 ↘ Nov 93
Windows™ 3.1	2250 ↘ Nov 93
PC Support/400 V2R2	2250 ↘ Nov 93
RUMBA/400 V2R2 (Windows emulator)	2050 ↘ Nov 93
LAN Support Program Version 1.33	2050 ↘ Nov 93

VALUEPOINT FEATURES (Si MODELS)

- ✧ ISA 16 bit architecture (AT bus)
- ✧ Small footprint: 3 slots / 3 bays
- ✧ Supports 1.05 GB internal with two 527 MB IDE disks
- ✧ Supports up to 2 diskette drives (including one 5.25" diskette)
- ✧ Parity memory - 70 ns
- ✧ 4 SIMM sockets - 72 pin SIMMs
- ✧ Standard memory (4 MB) uses only 1 socket
- ✧ SVGA video on planar (up to 1280 x 1024)
- ✧ VESA local bus video accelerator
- ✧ ISO 9241-3 capable
- ✧ Two 9 pin serial ports
- ✧ One bidirectional parallel port
- ✧ 100 watt universal power supply
- ✧ 128 KB flash memory for BIOS/POST
- ✧ IBM / Phoenix SurePath™ BIOS
- ✧ Preinstalled IBM DOS 6.1/Windows 3.1 (except diskless)
- ✧ Software publications included (except diskless)
- ✧ No diskettes included but can create DOS 6.1, Windows 3.1, video drivers, diagnostic, and Energy Star diskettes via preloaded utility
- ✧ Basic 101 keyboard (rubber dome) or Enhanced 101 keyboard ($40 extra)
- ✧ IBM mouse

SECURITY

- ① Cover key lock
- ② U-Bolt support
- ③ Diskette write inhibit
- ④ Serial/parallel port inhibit
- ⑤ Power-on password
- ⑥ Administrator password
- ⑦ Boot sequence control
- ⑧ Boot without keyboard/mouse

VALUEPOINT Si

- ➠ Low cost entry ValuePoint models.
- ➠ Manufactured to meet IBM's high standards of quality and reliability.
- ➠ Delivers industry standard products with IBM service and support.

F30 and F50 - ENERGY STAR MODELS

The ValuePoint Si models **F30** (486SX-25, 120MB) and **F50** (486SX-25, 212 MB) meet the U.S. Environmental Protection Agency Energy Star requirements. The power consumption drops below 30 watts in a suspended state. It also signals the display to go into suspended state (if display Energy Star compliant such as IBM 14V, 15V, 17V, 14P, 15P, 17P, 21P).

MULTIMEDIA VALUEPOINT (MVP Series)

The following models are available as preconfigured multimedia units with **double speed CD-ROM/XA** and Creative Labs **Sound Blaster™ 16** audio adapter. Additional peripherals and software are available in three configurations: Office, Reference, or Entertainment.

ValuePoint listed above	Office	Reference	Entertainment
6381-F30	FS1	FS4	FS7
6381-M50	MS2	MS5	MS8

See MVP93F sheet for details on multimedia models.

d = 1.44 MB 3.5" diskette drive
p = parallel/printer port
P = DMA parallel/printer port
s = Async port (19.2 Kbps) UART 16450
S = Async port (56 Kbps) UART 16550A
9 = DOS 6.1 & Windows 3.1 preinstalled
0 0 = (non-italics) write-thru L2 cache
128 256 = (*italics*) write-back L2 cache

Si = SpaceSaver Introductory 3/3; 6381
/S = SpaceSaver (3 slts x 3 bays); 6382
/D = DeskTop (5 slots x 5 bays); 6384
/T = Mini-Tower (8 slots x 6 bays); 6387

VALUEPOINT Si WARRANTY SERVICE SUPPORT

- ➪ **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 hour / 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**

- ✲ bay occupied by standard diskette or hard disk or CD-ROM.
- ■ open bay with NO front media access.
- □ open bay with front media access.
- ⚛ US EPA Energy Star compliant.
- ❁ Multimedia models available.
- ↘ Price decrease effective May 17, 1994.
- ⋊ Systems withdrawn effective November 17, 1994.

Note 1: Dealer prices will vary.
No warranties are expressed in this summary.

(VPSI) Compiled by Roger Dodson, IBM
Current as of October 1994

IBM ValuePoint Reference (Si models) - withdrawn

IBM® ValuePoint ™:	⋊ 425SX / Si	⋊ 433DX / Si	⋊ 466DX2 / Si
Type	6381	6381	6381
Models	F00 = diskette, no disk F30 = diskette, 120 MB 15 ms F50 = diskette, 212 MB 13 ms	M00 = diskette, no disk M30 = diskette, 120 MB 15 ms M50 = diskette, 212 MB 13 ms	W00 = diskette, no disk W30 = diskette, 120 MB 15 ms W50 = diskette, 212 MB 13 ms
Processor / MHz	**486SX - 25 MHz**	**486DX - 33 MHz**	**486DX2 - 66/33 MHz**
Processor upgrade(s)	① 486DX2 - 50/25 MHz	① 486DX2 - 66/33 MHz ② P24T (Intel® Pentium™ OverDrive™ in 1994)	① P24T (Intel Pentium OverDrive in 1994)
Upgrade method	Open 169 pin socket (disables original CPU)	Remove CPU from 238 pin LIF socket	Remove CPU from 238 pin LIF socket
L2 cache - std / max	0 KB / 0 KB	0 KB / 256 KB	
L2 cache - write policy	none	**Write-back** (direct mapped / SRAM / 20 ns)	
L2 cache - method	none	6 DIP modules = 128 KB 10 DIP modules = 256 KB	
Memory - std / max	*All:* 4 / 64 MB		
Memory - speed / pins	*All:* 70 ns / 72 pin		
Memory - supported SIMMs	*All:* 70 or 80 ns		
Mem - total sockets / avail	*All:* 4 sockets / 3 available		
Memory - type	*All:* Parity (industry standard only) [1]		
Memory controller RAS	*All:* Single RAS [2]		
Graphics - controller	GD5428 (on planar) 13 WinMarks	ET4000 W32 (on planar) Rated at 14 Graphics WinMarks	
Graphics - vendor	Cirrus Logic	Tseng Labs	
Graphics - type	SVGA - accelerator	SVGA - accelerator	
Graphics - memory std / max	512 KB / 1 MB (DRAM) 70 ns	512 KB / 1 MB (DRAM) 70 ns	
Graphics - arch / data path	VESA local bus / 16 bit	VESA local bus / 32 bit	
ISA 16 bit slots / available	*All:* 3 slots / 3 avail	*All:* Three bays: ① 3.5", SL 1", access, std diskette ② 5.25", HH 1.6", access, open ③ 3.5", SL 1", no access, std disk (except diskless x00)	diskette ② / disk
VL-Bus 32 bit slots / avail	*All:* 0 slots / 0 avail		
Serial - ports	Two 9 pin		
Serial - controller / DMA	16450 / non-DMA		
Serial - max speed	19.2 Kbps		
Parallel port	one (non-DMA) bidirectional		
Disk controller	*All:* IDE (16 bit)		
Diskette drive	*All:* 3.5" 1.44 MB		
BIOS	*All:* 128 KB Flash (SurePath™)		
Security features	*All:* ① Cover key lock *All:* ② U-Bolt support *All:* ③ Diskette write inhibit *All:* ④ Serial/parallel port inhibit *All:* ⑤ Power-on password *All:* ⑥ Administrator password *All:* ⑦ Boot sequence control *All:* ⑧ Boot without keyboard/mouse		
Preloaded software	*All:* DOS 6.1 / Windows™ 3.1 (except diskless x00 models)		
Keyboard	*All:* Basic 101 (rubber dome) or Enhanced 101 ($40 option)		
Mouse	*All:* IBM mouse		
Sound	*All:* Beeper		
Power supply watts	*All:* 100 watts / universal / manual switch		
Available date	August 1993	August 1993	October 1993
Withdrawal date	November 1994	November 1994	November 1994

Note 1: Only uses SIMMs that use industry standard-type parity (not IBM-type parity).
Note 2: Single RAS means the memory controller will only address one bank (side) of a SIMM. Dual RAS means it will address double sided SIMMs. RAS stands for Row Address Strobe. Single RAS SIMMs will work in a system that has dual RAS controller. Dual RAS SIMMS will work in a single RAS system, but only half of the capacity will be used. There are no 2 MB or 8 MB single RAS SIMMs available on market (only 1, 4, 16 MB single RAS SIMMs).

ENERGY STAR

Models **F30** and **F50** meet the U.S. EPA Energy Star requirements. The power consumption can drop below 30 watts in a suspend state.

MULTIMEDIA VALUEPOINT (MVP Series)

The following models are available as preconfigured multimedia units with **double speed CD-ROM/XA** and Creative Labs **Sound Blaster™ 16** audio adapter. Additional peripherals and software are available in three configurations: Office, Reference, or Entertainment. (See MVP93F for details.)

ValuePoint listed above	Office	Reference	Entertainment
6381-F30	FS1	FS4	FS7
6381-M50	MS2	MS5	MS8

VALUEPOINT FOR AS/400

6381-FP0	Same as	5250 Emulation Adptr	*Software preinstalled and preconfigured:*
-FR0	**F30** with	16/4 Token-Ring	
" -FN0		Ethernet 10Base2	PC DOS 6.1
" -FN1	"	Ethernet 10BaseT	Windows™ 3.1
6381-MP0	Same as	5250 Emulation Adptr	PC Support/400 V2R2
-MR0	**M50** with	16/4 Token-Ring	RUMBA/400 V2R2
" -MN0		Ethernet 10Base2	LAN Support Pgm 1.33
" -MN1	"	Ethernet 10BaseT	

VIDEO MODES
GD5428 and ET4000 W32

Resolution	Frame rate Hz (non-interlaced)	Video memory required	Maximum colors
640 x 480	60, 72	.5 MB	256
640 x 480	60, 72	1 MB	65,536
640 x 480	60	1 MB	16.7 mil
800 x 600	56, 60, 72	.5 MB	256
800 x 600	56, 60	1 MB	65,536
1024 x 768	60, 70, 72	.5 MB	16
1024 x 768	60, 70, 72	1 MB	256
1280 x 1024	43.5 (I)	1 MB	16

I = Interlaced

OTHER STANDARD FEATURES

Dual orientation support
Unattended start mode
Ability to disable L1 or L2 cache for current boot

No diskettes included but can create ① DOS 6.1, ② Windows 3.1, ③ video drivers, ④ diagnostic, and ⑤ Energy Star diskettes via Diskette Factory. Publications are included.

The Configuration Utility resides in Flash memory which can be invoked by pressing the F1 key during memory POST.

VALUEPOINT Si WARRANTY SERVICE SUPPORT

- **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**

⋊ Systems withdrawn effective November 17, 1994

(3VP) Compiled by Roger Dodson, IBM. October 1994