



Dell 486 DE/SV

Specifications

Processor

- SE: Intel 486SX/20, 486SX/33, 486SX/50
- DE: Intel 486SX/25, 486DX/33/50, 486DX2/50

Memory

- SE: 4MB standard, expands to 128MB
- DE: 4 to 96MB

I/O Expansion Slots

- SE: 8-full length expansion slots
- DE: 6-32 bit expansion slots

Diskette Drive

- 1.44MB diskette drive

Integrated Features

- Parallel, 2-serial, keyboard, VGA

Internal Expansion Bays

- SE: 3-external, 8-internal
- DE: 3-external, 1-internal

I/O Architecture

- Extended Industry Standard Architecture (EISA)

Power Supply

- SE: 300W
- DE: 224W

Diagnostics

- Normal Post Diags performed on Power UP of system.
- Dell system support diskette
- Troubleshoot according to errors found during test

CMOS Access

- QAPlus/FE

Tools and Software Requirements

- Flat bladed screwdriver
- Needle nose pliers
- Anti-static wrist strap
- Diagnostics and formatted blank diskettes

System Board Configuration Switches

Switch	Setting	Function
EVGA	ON	Turns off on board VGA
	OFF*	Turns on board VGA
MSYC	ON	For older multisync monitors
	OFF*	For Dell multisync monitors
EPWD	ON*	Turns on password option
	OFF	Turns off password option
AROM	ON	Sys uses ROM BIOS boot code
	OFF	Sys uses flash ROM boot code

* Default

System Board Configuration Jumpers

Jumper	Setting	Function
MNT	jumpered	Turns on manufact. maint.
	unjumpered*	Turns off manufact. maint.
BOOT	jumpered	Flash boot erase is on
	unjumpered*	Flash boot erase is off
RESET	jumpered	Cold sys boot operation on
	unjumpered*	System operates normally

* Default

System Board Configuration Jumpers Dell
486 DE Only

Jumper	Setting	Function
JM6	unjumpered	486SX operation
	jumpered*	487SX operation
JM7	1-2*	486SX operation
	2-3	487SX operation
JM8	unjumpered*	486SX operation
	1-2	487SX operation

* Default

Removal Procedures

Before beginning removal complete the following steps.

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from the outlet and system
3. Disconnect all peripheral devices from the computer.

System Cover

How to remove the cover

1. System has top, side and front covers
2. To remove the top cover slide it towards the back of the system until it stops
3. Spread the sides slightly to disengage the tabs
4. Lift the cover up and off
5. Remove the side cover by removing top cover first
6. Turn the keylock, insert hand in cutout on top left corner
7. Disengage ball ends, lift the cover up and away
8. To remove the front cover close the retractable dust cover
9. Grasp front cover and each side and pull off.

Field Replaceable Units

Memory	OEM Part	IBM Part
1MB SIMM	22125	22H2720
2MB SIMM	22126	22H2724
4MB SIMM	25192	22H2894
8MB SIMM 30 PIN	35787	22H2722
8MB SIMM	25191	22H3599
8MB SIMM	22131	22H2895
64MB SIMM	60684	22H2897

Controller	OEM Part	IBM Part
IDE dual	60548	49H3809
Dual HD/FD ESDI	16194	22H2857
SCSI PIO	25739	22H2858
SCSI	35837	22H2816
HD EISA/SCSI, no cache	31846	22H3116
MIRROR MOD EISA/SCSI	32162	22H2664
CARD CACHE .5M EISA/SCSI	32160	22H2666
2MB UPGD EISA	20510	22H2668
ESDI MEM UPGD 3.5MB	16156	22H2669
DDA,C,F3/F5 W/ DOC	33391	49H4958
ESDI 120MHz 15BPS	42761	22H2865
FD ESDI SINGLE	40428	22H2864

Internal Hard Drive Size	OEM Part	IBM Part
200MB SCSI	13772	22H2868
200MB	14066	22H2869
320MB	14680	22H2758
80MB IDE	14684	22H2759
40MB IDE	14685	22H2760
200MB Maxtor	17498	22H2870
50MB Quantum	17694	22H2763
1.4GB	17910	22H2716
40MB	18814	22H2871
50MB IDE	18914	22H2680
500MB	19539	22H2706
500MB	19540	22H2872
1.4GB	19866	22H2873

System Bds.	OEM Part	IBM Part
486DE	16570	22H2908
486DE	60716	22H2911
433DE/SE	16461	48H7144
466DE/SE/2	29578	48H9546
486DE w/ video	18910	22H2910
486DE w/ video	30911	22H2909
486SE	19403	22H2914
486SE	14086	22H2913

Coprocessor Cards	OEM Part	IBM Part
Weitek4167-25	21305	22H2671
Weitek4167-33	21306	22H2866

Processor Cards	OEM Part	IBM Part
20MHz proc DE/SE upgd	60715	48H7124
33MHz proc DE/SE upgd	60714	49H3820
50MHz proc DE/SE	14053	48H6598
66MHz proc upgd DE/SE	27217	22H3296

Video Memory	OEM Part	IBM Part
1024/256 color card	43072	22H2725
1024/16 color card	43073	22H2552
ATI Ultra video bd	17696	22H2798
ATI vantage video bd	18692	22H3457
Number 9 GXI video bd	30472	22H2729
VGA 16-bit sigma	63589	22H2730
VGA 16-bit daughter bd	13940	22H2900
Sys video BIOS	14090	22H2912

Tape Drives	OEM Part	IBM Part
150 Tape Backup Ctrlr	42062	22H2520
40/120MB TBU ctrlr	19496	22H2555
250MB TBU	14861	22H2735
40-120MB Int.	19493	22H3142
525MB	28860	68H1326
320/525MB int.	14259	22H2738
4GB DAT Internal	19994	22H2739
2GB DAT	16741	22H2808

Diskette Drives	OEM Part	IBM Part
3.5/5.25 combo	27952	48H9208
3.5 (5.25)	42756	22H2673
2.88MB	31103	22H2867
5.25	40155	22H3146

Cables	OEM Part	IBM Part
4 Wire Y	40012	49H0670
Data ESDI	42935	66H9801
Dual drive IDE	43044	49H1564
Floppy 3 drive	43042	51H3517

Miscellaneous	OEM Part	IBM Part
Pwr Sply 224W lite-on	17916	48H7292
Pwr Sply 224W AC	23319	22H2806
Pwr Sply 224W	14181	55H1820
Pwr Sply 350W	17914	48H7371
4.5V alkaline	20409	48H7821
Lithium battery	20610	47H4786
2400bd int modem	43154	22H2740
9600bd int. w/ sw	29801	22H2822
9600 bd external	22300	22H2823