



Dell 486 S/L & L

Specifications

Processor

- Intel i486sx/25, i486DX/33, i486DX2/50/66

Memory

- 4MB standard, expands to 64MB

I/O Expansion Slots

- 3/16-Bit expansion slots

Diskette Drive

- 1.2MB diskette drive

Integrated Features

- Parallel, 2-serial, keyboard, VGA

Internal Expansion Bays

- 2-user accessible bays, 1-internal bays

I/O Architecture

- Industry Standard Architecture ISA

Power Supply

- 150 Watts

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 Jumper Settings

Jumper	Setting	Function
EPWD	installed*	Password on
	uninstalled	Password off
IOALT		Reserved
EFLU	installed*	flash upgd of BIOS
	uninstalled	write protection of BIOS
EVGA	installed*	VGA turned on
	uninstalled	VGA off, allows for card
NO_CACHE	installed*	no cache card installed
	uninstalled	cache card installed

* Default

System Board Speed Jumper Settings

Jumper	Function
40	Reserved
33	Use when speed is 33MHz (DX2/66)
25	Use when speed is 25MHz (DX2/50)
20	Reserved
16	Reserved

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. Unlock the security key lock horizontal position
2. Loosen 5 thumbscrews counterclockwise
3. Pull the cover towards the front of the system

Field Replaceable Units

Memory	OEM Part	IBM Part
4MB SIMM	30380	22H2930
16MB SIMM	31066	22H2938
Controller	OEM Part	IBM Part
Dell SCSI 16 B	17748	22H3728
SCSI PIO	25739	22H2858
SCSI Ctlr SM	35837	22H2816
150MB TBU	42062	22H2520

Internal Hard Drive

Size	OEM Part	IBM Part	Miscellaneous	OEM Part	IBM Part
Dell Drive Rails	40019	55H1157	Pwr supply 150W	17913	22H2945
80MB IDE (GNRC)	28880	22H2922	2400bd int modem	43154	22H2740
80MB IDE QTM	36390	22H2787	9600bd int. w/ sw	29801	22H2822
120MB IDE Qtm	36392	22H3149	9600 bd external	22300	22H2823
120MB GNRC	28881	22H2923	4.5v Alkaline	20409	48H7821
170MB IDE	27543	22H2773			
230MB IDE Qtm	37442	22H2695			
320MB IDE	30665	22H2778			
500MB IDE	19539	22H2706			
230MB SCSI	25483	22H2880			
700MB SCSI	35511	22H2929			

System Bds.

System Bds.	OEM Part	IBM Part
486S/L w/o BIOS/mem	28770	48H9275
486S/L 25SX	35941	49H0033
486S/L 25SX	35259	22H2955
486S/L 33SX	35260	22H2957
486L 33DX2	35261	49H0299
486L 50DX2	35262	22H2962
486L 66DX2	35263	22H2965
487S/L	35264	22H2963

Microprocessors

In main processor on DX processors only.
Have to upgrade main processor.

Processors Upg.

Processors Upg.	OEM Part	IBM Part
486 33DX	16344	22H3424
486 50 DX2	29585	22H3426
486 66 DX2	27217	22H3296

Cache Cards

Cache Cards	OEM Part	IBM Part
128K cache card	29517	22H2948

Tape Drives

Tape Drives	OEM Part	IBM Part
150/250MB tape drive	14861	22H2735
40/120MB Int.	19493	22H3142
40/120MB Ext.	27458	22H2556
2/4GB DAT	16741	22H2808
4GB DAT Int.	19994	22H2739
525MB	28860	68H1326

Diskette Drives

Diskette Drives	OEM Part	IBM Part
2.88 (5.25)	31103	22H2867
3.5 & 5.25 Combo	27952	48H9208
3.5 (5.25) w/o cable	42756	22H2673
5.25FS	26590	22H3290

Video Boards

Video Boards	OEM Part	IBM Part
512 Video Upgrade	30522	22H2940

Cables

Cables	OEM Part	IBM Part
4 wire Y	40012	49H0670
Apdter SCSI 50-pin	17817	22H2812
FD 3-DR	30554	48H9852
Parallel printer	40019	55H1157
Ribbon Wangtek	16637	48H7167
Power 6ft	40079	22H2567