



Dell 486 M /ME

Specifications

Processor

- Intel 486SX/25, 486DX/33, 486DX2/50, 486DX2/66 MHz

Memory

- 4MB standard, expands to 64MB

I/O Expansion Slots

- 6/16-Bit expansion slots

Diskette Drive

- 1.2MB diskette drive

Integrated Features

- Parallel, 2-serial, keyboard, VGA

Internal Expansion Bays

- 3-user accessible bays, 2-Internal bays

I/O Architecture

- 486M: Industry Standard Architecture ISA
- 486ME: Extended Industry Standard Architecture EISA

Power Supply

- 224 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, 486M

Jumper Settings

Jumper	Setting	Function
EPWD	jumpered *	Password on
	unjumpered	Password off
IOALT	unjumpered *	Reserved
EFLU	jumpered *	Flash upgd of BIOS
	unjumpered	Write protection of BIOS
EVGA	jumpered *	VGA turned on
	unjumpered	VGA off, allows for card
NO_CACHE	jumpered *	No cache card installed
	unjumpered	Cache card installed
CLRB	unjumpered *	Reserved

* Default

System Board, 486M Seed Jumper Settings

Jumper	Function
40	Reserved
33	DX/33 or DX2/66 microprcssr installed
25	DX/25 or DX2/50 microprcssr installed
20	Reserved
16	Reserved

System Board, 486ME Jumper Settings

Jumper	Setting	Function
EPWD	jumpered *	Password on
	unjumpered	Password off
IOALT	unjumpered *	Reserved
EFLU	jumpered *	Flash upgd of BIOS
	unjumpered	Write protection of BIOS
EVGA	jumpered *	VGA turned on
	unjumpered	VGA off, allows for card
SPEED	jumpered *	Ext. microprcssr is 25MHz
	unjumpered	Ext. microprcssr is 33MHz
CLRE	jumpered	EISA config cleared at boot
	unjumpered *	EISA config saved at boot
CLRB	unjumpered *	Use to upgrade Flash BIOS

*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. 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
4MB SIMM	30400	22H3127
8MB SIMM	30346	22H3126
16MB SIMM	30401	22H3128
32MB SIMM	31581	22H3129

Controller	OEM Part	IBM Part
Dell SCSI 16 B	17748	22H3728
SCSI PIO	25739	22H2858
SCSI Ctr M	35837	22H2816
150MB TBU	42062	22H2520

Internal Hard Drive

Size	OEM Part	IBM Part
Dell Drive Rails	40019	55H1157
330MB ESDI 5.25	42449	22H3011
650MB ESDI 5.25	42448	22H3012
50MB IDE 3.5	17694	49H7627
50MB IDE 5.25	17695	22H2679
80MB IDE 5.25	43200	68H2692
80MB Conner 3.5	43201	68H2693
80MB IDE QTM 3.5	36390	22H2787
100MB IDE 5.25	19882	22H2685
120MB IDE 5.25	27547	22H2687
120MB IDE 3.5	36392	22H3149
170MB IDE 3.5	36395	22H2694
200MB IDE Maxtor 5.25	17498	93F5800
200MB 3.5 IDE Maxtor	17497	22H2762
230MB IDE 3.5 QTM	37442	22H2695
230MB 5.25 IDE QTM	37443	22H3100
500MB IDE	19539	22H2706
330MB SCSI 3.5 Seagate	28882	22H3148
330MB SCSI 3.5 Maxtor	28883	22H2774
330MB SCSI 5.25	29067	22H2710
650MB SCSI 5.25	43122	22H2712
700MB SCSI	35511	22H2929
700MB SCSI 5.25	35512	22H2714
1GB SCSI 3.5	29074	55H1880
1GB SCSI 5.25	29300	22H2883
1.4GB SCSI 5.25	17910	22H2716

System Bds.	OEM Part	IBM Part
486M A06-00	28964	22H3045
486 M 25SX A00-00	35449	22H3047
486 M 33SX A01-00	35452	22H3048
486 M 33DX A02-00	35453	74H3544
486 M 50DX2 A01-00	35455	22H3052
486 M 66DX2 A01-00	35457	74H3772
486ME A04-02	29068	48H9498
486 ME 25SX A00-00	35438	22H3055
486 ME 33DX A02-00	35440	55H1961
486ME 50DX2 A01-00	35441	49H0194
486 ME 66DX2 A01-00	35442	48H9498

Microprocessors

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

Processors Upg.	OEM Part	IBM Part
486 33DX M	16344	22H3424
486 DX50 M	29585	22H3426
486 66DX M	27217	22H3296
486 33DX ME	16344	22H3424
486 50DX ME	29585	22H3426
486 66DX ME	27217	22H3296

Cache Cards	OEM Part	IBM Part
128K cache card 486M	33883	22H3040
128K cache card 486ME	33606	22H3041

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

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	OEM Part	IBM Part
486M 512K	33890	22H3034
486ME 512K	32972	22H3035

Cables	OEM Part	IBM Part
4 wire Y	40012	49H0670
Dual drive IDE	43044	49H1564
floppy drive	40471	49H0846
floppy 3 drive	43042	51H3517
hard drive	40470	49H0845
Parallel printer	40019	55H1157
hard drive data	41604	49H1284
single drive	43043	66H9838
Ribbon Wangtek	16637	48H7167
Power 6ft	40079	22H2567
SCSI MDT	43352	66H9849

Miscellaneous	OEM Part	IBM Part
Pwr supply 224W	33767	22H3037
2400bd int modem	43154	22H2740
9600 bd int. w/ sw	29801	22H2822
9600 bd external	22300	22H2823
4.5v Alkaline	20409	48H7821