



Dell Dimension 486DX/33

Specifications

Processor

- Intel 80486DX/33

Memory

- 4MB expands to 64MB

I/O Expansion Slots

- 6-16 bit expansion slots

Diskette Drive

- 3.5" & 5.25" diskette drive

Integrated Features

- 512K VRAM, 2-serial ports, parallel

Internal Expansion Bays

- 4-user accessible bays, 1-internal

I/O Architecture

- ISA

Power Supply

- 200 watt

Diagnostics

- Normal Post Diags performed on Power UP of system.
- Dell system support diskette or QAPLus/FE Software
- 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 -- Switch Settings

SW1	SW2	Function
OFF	OFF	Refresh rate for 800x600 56Hz
OFF	ON	Refresh rate for 800x600 60Hz
ON	OFF	Refresh rate for 800x600 72Hz
ON	ON	Refresh rate for 800x600 56Hz

SW3	SW4	Function
OFF	OFF	Refresh rate for 1024x768 interlaced
OFF	ON	Refresh rate for 1024x768 60Hz NI
ON	OFF	Refresh rate for 1024x768 70Hz NI
ON	ON	Refresh rate for 1024x768 72Hz NI

SW5	Function
OFF	Refresh rate for VGA 31.5Hz, 60/70Hz
ON	Refresh rate for VGA 40Hz, 75/80Hz

SW6	Function
ON	512K VRAM
OFF	1MB VRAM

System Board -- Configuration Jumper Settings

Jumper	Setting	Function
W1	1-2 * 2-3	color or mono VGA monitor mono monitor
W2	1-2 * 2-3	normal operation clear CMOS ¹
W3	1-2 2-3 *	system clock system clock/2
W4	1-2 2-3 *	256K cache 64K cache
W5	1-2 2-3 *	256K cache 64K cache
W6	1-2 * 2-3	486DX or 487SX 486SX
W7	1-2 * 2-3	486DX or 487SX 486SX
W8	1-2 2-3 * OFF	487SX 486DX 486SX
W9	1-2 2-3 *	256K cache 64K cache
W10	1-2 * 2-3	turns on VGA turns off VGA

*Default, ¹To clear CMOS, set W2 to the 2-3 position, wait for a minute, then place it back on 1-2. Do not power on with the jumper on 2-3, this can destroy the CMOS chip.

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
2. Remove 3 screws on each side of the cover
3. Pull the cover towards the front of the system

Field Replaceable Units

Memory	OEM Part	IBM Part
4MB SIMM	27549	22H3279

Controller	OEM Part	IBM Part
150MB TBU Ctl, Wangtek	42062	22H2520
Controller card w/o FDD	47281	22H3171

Internal Hard Drive Size	OEM Part	IBM Part
270MB	76000	22H3315
365MB	03573	53H0899
540MB	68028	62H4994

System Bds.	OEM Part	IBM Part
System board	28665	22H3287

Tape Drives	OEM Part	IBM Part
150/250MB Wangtek	10944	22H3331
250MB Wangtek	14861	22H2735
4/8GB DAT	10946	22H3332
525MB Wangtek	49886	22H3223

Diskette Drives	OEM Part	IBM Part
1.44MB 3.5"	30222	22H3314
1.2MB	30223	70H8629
1.44/1.2 combo	04376	52H4721

Video Boards	OEM Part	IBM Part
3MB VRAM	73570	22H3334
3MB VRAM	46601	22H3335
1MB VRAM	73569	22H3336

Microprocessors	OEM Part	IBM Part
P5 CPU 90 Mhz	75446	22H3325
P54C 75mhz	3207	22H3326
P54C 100MHz	3170	22H3327

Miscellaneous	OEM Part	IBM Part
Power supply	74520	22H3307
24/96bd Internal mdm	27863	22H2741
14.4 internal mdm	72995	22H3180