



Dell 325/333D

Specifications

Processor

- Intel 80386 8MHz/effective 25MHz/33MHz clock

Memory

- 1MB standard, expands to 16MB

I/O Expansion Slots

- 5/16-bit and 1/8-bit slot

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

- Industry Standard Architecture ISA

Power Supply

- 177 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
RSET	unjumpered*	Reserved
MOCO	jumpered*	On-board VGA color
	unjumpered	On-board VGA mono
MNT	unjumpered*	Reserved
EPWD	jumpered*	Password on
	unjumpered	Password off
PIDE	jumpered*	Boot from 1st IDE drive
	unjumpered	Boot from 2nd IDE drive
SIDE	jumpered	Primary IDE cntrl on card
	unjumpered*	Primary IDE cntrl on sys. bd.
MSYC	jumpered	Multisync monitor used
	unjumpered*	No multisync monitor used
VIRQ	jumpered	VGA uses IRQ9
	unjumpered*	VGA does not use IRQ9
NIDE	jumpered*	New IDE drive being used
	unjumpered	Older IDE drive being used
OIDE	jumpered	Older IDE drive installed
	unjumpered*	Newer IDE drive installed
EVGA	jumpered*	VGA turned on
	unjumpered	VGA off
AROM	unjumpered*	Reserved
WSP1	unjumpered*	Reserved

* 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

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

Field Replaceable Units

Memory	OEM Part	IBM Part
1MB SIMM	22202	22H3600
1MB SIMM	22204	22H3600
4MB SIMM	25191	22H3599

Controller	OEM Part	IBM Part
IDE Dual Cntl	60548	49H3809
Dual HD/FD ESDI	16194	22H2857
SCSI Ctlr	35837	22H2816
150MB TBU	42062	22H2520
Dual 1003V-MM2	42059	48H2558
Dual HD/FD ESDI 1007	41531	48H2568
Dual WD 1003-WA2 ST506	40145	22H3450
ESDI 120MHz 15BPS	42761	22H2865
FD Ext 5.25 w/ int cbl	41776	22H3697
MD ESDI single	40427	22H3463
SCSI Cntrl	63612	22H3579
40/120MB TBU cntrlr	19496	22H2555

Internal Hard Drive		
Size	OEM Part	IBM Part
40MB IDE	18814	22H3593
50MB IDE	17694	49H7627
80MB IDE	19879	22H2759
80MB IDE (GNRC)	28880	22H3595
100MB IDE	19881	47H3863
120MB IDE	27546	22H3594
120MB GNRC	28881	22H2885
170MB IDE	27543	22H2773
230MB IDE Maxtor	32813	49H0102
320MB IDE	30802	22H3291
320MB IDE	30665	47H7591
330NB IDE	28883	22H2774
500MB IDE	19539	22H2765
200MB SCSI	43226	47H7590
230MB SCSI	25483	22H2771
1GB SCSI	29074	22H2775

System Bds.	OEM Part	IBM Part
325D w/o BIOS/Mem	60631	22H3589
325D w/o BIOS/Mem	60741	22H3589
325D w/o BIOS/mem	60718	22H3588
325D, w/ BIOS/no mem	63593	22H3587
325D w/ BIOS/1MB	63417	49H4041
333D w/o BIOS/mem	60689	68H3985
333D w/o BIOS/mem	60717	68H3985
333D w/o BIOS/mem	60742	68H3985
333D w/BIOS, no mem	63594	49H4048
333D w/ BIOS/1MB	63418	49H4048

Tape Drives	OEM Part	IBM Part
150/250MB tape drive	14861	22H2735
150/250MB external	17392	22H2518
Adapter f/ 40MB int/ext	41650	22H2519
150/250 MB	42757	22H2736
350/525MB Int	14259	22H2738
2/4GB DAT	16741	22H2808
4GB DAT	19994	22H2739
2/4GB DAT ext	16742	22H2809

CD ROM Drives	OEM Part	IBM Part
Internal w/o controller	19875	22H2717

Diskette Drives	OEM Part	IBM Part
3.5 & 5.25 Combo	27952	48H9208
3.5 (5.25) w/o cable	42756	22H2673
5.25FS	26590	22H3290
5.25 360KB	40154	22H3452
5.25 MB	40155	22H3290

Video Boards	OEM Part	IBM Part
1024/256 color card	43072	22H2725
1024/16 color card	43073	22H2552
ATI Ultra video board	17696	22H2798
Vantage Video Board	18692	22H3457
325/33P 316/20SX 512K	22210	55H1130
Number 9 GXI	30472	22H2729
VGA 16-bit	63589	22H2730
Monographics CD	40385	68H2344
EGA chip w/ Video	40395	68H2356
CGA/Mono	41700	31F0747
CGA/Mono no soft.	31447	22H2801
ATI VRAM 1MB	28048	22H2732

Microprocessors	OEM Part	IBM Part
80387-25	23196	22H3551
WTK3167-25	20871	22H3550
80387-25 333D	23197	22H3592
WTK 3167-33	21184	22H3591

BIOS Upgrades	OEM Part	IBM Part
325/333D (A14)	22256	66H8121

Cables	OEM Part	IBM Part
Dual drive IDE	43044	49H1564
Floppy 3 drive	43042	51H3517
Floppy drive	40471	49H0846
HD IDE 40 pin dual	41755	49H1390
Hard drive	40470	49H0845
Hard drive aux LED	42964	66H9805
Hard drive data IDE	42087	49H1509
IDE single drive	43043	66H9838
Floppy drive	14644	48H6783
Parallel printer	40019	55H1157
power extension	42944	49H1553
Power 6ft	40079	22H2567
Ribbon, Wangtek	16637	48H7167
SCSI MDT	43352	66H9849
Tape/Cont 40MB int	42061	49H1504
Universal HD/FD/Data	40470	49H0845

Miscellaneous	OEM Part	IBM Part
Pwr supply 177W	42186	22H3586
9600bd int. w/ sw	29801	22H2822
9600 bd external	22300	22H2823
4.5v Alkaline	20409	48H7821