



Dell System 316

Specifications

Processor

- Intel 80386SX/16MHz

Memory

- No memory on the system board. System needs static RAM card to run. Maximum extended memory 16MB.

I/O Expansion Slots

- 5-16 bit slots, 2-8 bit slots, 1- 32 bit slot for static RAM card.

Diskette Drive

- 1.2MB diskette drive

Integrated Features

- Parallel, 2-serial, keyboard, VGA

Internal Expansion Bays

- 2 - user accessible, 2 - internal expansion slots

I/O Architecture

- Industry Standard Architecture ISA

Power Supply

- 192 Watt

Diagnostics

- Normal Post Diags performed on Power UP of system.
- Instead of Dell system support diskette use QAPlus/FE.
- 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	Function
JMPHD	This jumper should always be set to 1 & 2
JMPRDY	Jumper is for testing drives not sold or supported by Dell

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
1MB SIMM (4-256K)	20908	22H3466
4MB SIMM (4-1MB)	20510	22H2668

Controller	OEM Part	IBM Part
IDE Dual Cntrlr	60548	49H3809
Dual HD/FD ESDI	16194	22H2857
SCSI Cntrlr	35837	22H2816
150MB tape backup Wangtek	42062	22H2520
Dual 1003V-MM2	42059	48H2558
Dual HD/FD ESDI 1007	41531	48H2568
ESDI 120MHz 15BPS	42761	22H2865
FD ext 5.25 w/ cbl	41776	22H3697
SCSI	63612	22H3579

System Bds.	OEM Part	IBM Part
316 w/o BIOS/mem	60541	22H3568
316	60364	22H3569

Tape Drives	OEM Part	IBM Part
150/250MB int. cntrlr	42062	22H2737
TBU 40/120MB CMS cntrlr	19496	22H2555
150/250MB tape drive	14861	22H2735
150/250MB external	17392	22H2518
Adapter f/ 40MB int/ext	41650	22H2519
40/120MB ext	27458	22H2556
150/250 Wangtek	42757	22H2736
320/525MB int	14259	22H2738
4GB DAT int w/o cntrlr	19994	22H2739
2/4GB DAT int w/o cntrlr	16741	22H2808
4GB DAT ext w/o cntrlr	19992	22H3606
2/4GB DAT ext w/o cntrlr	16742	22H2809

Internal Hard Drive Size	OEM Part	IBM Part
90MB ESDI half height	41626	48H1905
150MB ESDI	40426	48H1934
322MB ESDI Micropolis	40439	47H8330
650MB ESDI 5.25	42448	22H3012
20MB ST506 5.25	40194	11F9101
40MB Seagate MFM	40200	48H1912
40MB CDC MFM	40300	48H1915
40MB IDE 3.5	18816	22H2677
40MB IDE 5.25	42069	47H3875
40MB 5.25 IDE 1:1	42425	48H1903

Internal Hard Drive Size	OEM Part	IBM Part
50MB IDE 5.25	17695	22H2679
80MB IDE Conner	43200	68H2692
80MB IDE 5.25	19880	49H4942
100MB IDE 5.25 Quantum	19882	22H2685
100MB 5.25 IDE	42070	47H3863
120MB IDE 5.25	29064	22H2683
170MB IDE 5.25	27542	22H2689
190MB IDE 5.25	42763	93F5800
190MB IDE Maxtor	43450	22H2692
230MB IDE	32814	22H2698
320MB IDE	30666	48H7156
500MB IDE 5.25	19539	22H2706
500MB IDE 5.25	19540	22H2872
200MB SCSI 5.25	43122	22H2712
700MB SCSI	35512	22H2714

Miscellaneous	OEM Part	IBM Part
Pwr Supply 200W	40403	22H3458
Lithium (chip bd. mount)	20610	47H4786
Alkaline 4.5V	20409	48H7821
9600 bd int. w/ sw	29801	22H2822
9600 bd external	22300	22H2823

Diskette Drives	OEM Part	IBM Part
3.5 (5.25) w/o cable	42756	22H2673
5.25MB	26590	22H3146
5.25 360KB	40154	22H3452

Video Boards	OEM Part	IBM Part
1024/256 color	43072	22H2726
1024/16 color card	43073	22H2552
ATI Ultra video board	17696	22H2798
Vantage Video Board	18692	22H3457
Number 9 GXI	30472	22H2729
VGA 16-bit sigma	63589	22H2730
Monographics CD	40385	68H2344
EGA w/ chip Video 7	40395	68H2356
VGA 8-bit Paradise	41638	22H2730
VGA 16-bit Paradise	41764	49H1416
VGA 16-bit Video 7	41779	49H1420
VGA w/ Dell BIOS	43088	68H2685
CGA/Mono PVC2 Paradise	41700	31F0747
CGA/Mono PVC4 Paradise	40491	49H0848

Microprocessors	OEM Part	IBM Part
WTK3167-20 Sys 310	20525	22H3564

Cables	OEM Part	IBM Part
4 wire	40012	49H0670
Floppy drive	40471	49H0846
GPX/VGA Assy	42357	49H1535
Hard drive IDE 40 pin	41755	49H1390
hard drive	40470	49H0845
hard drive IDE	42087	49H1509
IDE single drive	43043	66H9838
Parallel printer	40019	55H1157
Power extension FS	42944	49H1553
Power ext 6'	40079	22H2567
Ribbon Wangtek	16637	48H7167
SCSI LG chassis	43263	66H9848
SCSI MDT	43352	66H9849
Tape/cont 40MB int	42061	49H1504