



Dell System 210

Specifications

Processor

- Intel 80286 12.5MHz

Memory

- 512KB standard, expands to 6MB

I/O Expansion Slots

- 3-16 bit slots

Diskette Drive

- 1.2MB diskette drive

Integrated Features

- Parallel, 2-serial, keyboard, VGA

Internal Expansion Bays

- 2-user accessible, 1-internal drive bay

I/O Architecture

- Industry Standard Architecture ISA

Power Supply

- 85watt

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	Function	Settings
W1	VGA Output from external card On-board VGA active	1-2 2-3
W4	Turn off on board dsktte cntrlr Turn on on-board dsktte cntrlr	1-2 2-3
W5	IDE drives tri-state IRQ14 IDE drives don't tri-state IRQ14	1-2 2-3
W10	IDE interface turned off IDE interface turned on	1-2 2-3
W11	On-board VGA turned off On-board VGA turned on	1-2 2-3
WX1	Monochrome adapter installed Color adapter installed	1-2 2-3
WX2	On-board VGA uses IRQ9 On-board VGA doesn't use IRQ9	1-2 Off

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
512K SIMM	20908	22H3466
128K SIMM	21170	22H3478
2MB SIMM	27594	22H3480
2MB SIMM	21256	22H3479

Controller	OEM Part	IBM Part
150MB Tape Backup	42062	22H2520
FD ext 5.25 w/ cbl	41776	22H3697
SCSI Cntrlr	35837	22H2816
IDE Dual Cntrlr	60548	49H3809

Internal Hard Drive Size	OEM Part	IBM Part
40MB IDE 3.5 Seagate	18814	22H2871
40MB IDE 3.5	42081	47H3875
50MB IDE 3.5	17694	49H7627
80MB IDE 3.5	19879	22H2759
80MB IDE 3.5 QTM	29278	49H3951
80MB IDE 3.5 (GNRC)	28880	49H6950
80MB IDE Conner	43201	68H2693
100MB IDE 3.5	19881	47H3863
100MB 3.5 IDE Conner	43203	68H2694
100MB 3.5 IDE Quantum	43322	49H6323
120MB IDE 3.5 Quantum	27546	22H2882
120MB IDE IDE (GNRC)	28881	22H2923
170MB IDE 3.5	27543	22H2772
190MB IDE Maxtor	42762	93F5800
230MB IDE Maxtor w/ cbl	32813	49H0102
230MB IDE 3.5 Quantum	23540	22H2767
320MB IDE 3.5	30802	22H3291
320MB IDE 3.5	30665	47H7591
230MB SCSI 3.5	25483	22H2880
1GB SCSI 3.5	29074	55H1880

System Bds.	OEM Part	IBM Part
210 w/o BIOS/mem	60536	49H3808
210w/o BIOS/mem	60613	22H3486
210 w/BIOS w/o mem	60359	22H3487
210 w/BIOS w/o mem	62957	22H3488
210 w/BIOS/512K	60373	22H3489
210 W/BIOS/512K	62958	22H3490
210 w/BIOS/2MB	60363	49H3800

Miscellaneous	OEM Part	IBM Part
Pwr Supply 100W	17912	22H3256
Lithium (chip bd mount)	20610	47H4786
Keylock 286/12	60009	67H1051
I/O serial/para board	40168	22H3453
9600bd int. w/ sw	29801	22H2822
9600 bd external	22300	22H2823

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
40MB archive external	41685	49H1326
40MB ext. adapter	43266	47H7590
40/120MB ext	27458	22H2556
40/120MB int.	19493	22H3142
150/250 Wangtek	42757	22H2736

Diskette Drives	OEM Part	IBM Part
3.5 (3.5) w/o cable	41585	22H2755
5.25FS	40155	22H3290
5.25 ext. drv. w/ cbl	41775	49H1418

Video Boards	OEM Part	IBM Part
1024/256 color	43072	22H2726
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
80287XL	21938	22H3451

Cables	OEM Part	IBM Part
4 wire	40012	49H0670
Data low profile chassis	42124	49H1511
floppy drive	14644	48H6783
GPX/VGA Assy	42357	49H1535
Hard drive IDE 40 pin	41755	49H1390
hard drive data	41604	49H1284
keylock microswitch	42123	49H1510
LED low profile chassis	41765	49H1417
LED SDT CR	43383	49H1588
Parallel printer	40019	55H1157
power extension F/S	42944	49H1553
Power 6ft	40079	22H2567
TBU data 40MB ext 34 pin	41788	66H9745