



Dell 286 - 8/12

## Specifications

### Processor

- Intel 80286 8MHz and 12MHz

### Memory

- 1MB standard, expands to 12MB

### I/O Expansion Slots

- 3-16 bit slots

### Diskette Drive

- 1.2MB diskette drive

### Integrated Features

- Parallel, 2-serial, keyboard, VGA

### Internal Expansion Bays

- 3 bays available for drives

### I/O Architecture

- Industry Standard Architecture ISA

### Power Supply

- 85 watt

### Diagnostics

- Normal Post Diags performed on Power UP of system.
- Dell system support diskette or 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	Settings
W1	On board VGA video output External VGA video output	2-3* 1-2
W4	Turns on diskette controller Turns off diskette controller	2-3* 1-2
W5	IDE drives using IRQ14 IDE drives tristate IRQ14	2-3* 1-2
W10	HD IDE interface on IDE interface off	2-3* 1-2
W11	On-board VGA on On-board VGA off	2-3* 1-2
WX1	color monitor monochrome monitor	2-3* 1-2
WX2	Video drives IRQ9 Video does not drive IRQ9	1-2 Open

\* 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
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
Intel above Bd. w/ 512K	42136	22H3455

Controller	OEM Part	IBM Part
150MB Tape Backup	42062	22H2520
Dual 1003V-MM2	42059	48H2558
Dual HD/FD ESDI 1007	41531	48H2568
Dual WD 1003-WA2	40145	22H3450
FD ESDI single	40427	22H3463

## Internal Hard Drive

Size	OEM Part	IBM Part
Drive rails	62320	49H3925
20MB ST506 5.25	40194	11F9101
40MB Seagate MFM	40200	48H1912
40MB CDC MFM	40300	48H1915

## Field Replaceable Units

<b>System Bds.</b>	<b>OEM Part</b>	<b>IBM Part</b>
S286-08, BIOS, 1MB	60054	22H3460
S286-10, BIOS, 1MB	60055	22H3461
S286-12, BIOS, 1MB	60057	22H3462

<b>Tape Drives</b>	<b>OEM Part</b>	<b>IBM Part</b>
150/250MB tape drive	14861	22H2735
150/250MB external	17392	22H2518
Adapter f/ 40MB int/ext	41650	22H2519
40MB archive internal	40465	22H3567
40MB archive external	41685	49H1326
40MB ext. adapter	43266	47H7590
150/250 Wangtek	42757	22H2736
150/250MB int..	42062	22H2737

<b>Diskette Drives</b>	<b>OEM Part</b>	<b>IBM Part</b>
3.5 (5.25) w/o cable	42756	22H2673
5.25FS	40155	22H3290
5.25 360KB	40154	22H3452
3.5 w/ 60117 (BIOS)	24570	22H2674

<b>Video Boards</b>	<b>OEM Part</b>	<b>IBM Part</b>
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
Ultrasaca	27239	47H5917
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

<b>Microprocessors</b>	<b>OEM Part</b>	<b>IBM Part</b>
80287-8	20041	68H0302
80287XL	21938	22H3451

<b>Cables</b>	<b>OEM Part</b>	<b>IBM Part</b>
4 wire	40012	49H0670
floppy drive	40471	49H0846
GPX/VGA Assy	42357	49H1535
Hard drive	40470	49H0845
Int. HD, 20 pin data	40015	49H0671
Parallel printer	40019	55H1157
Tape/cont 40MB int	42061	49H1504
Universal HD/FD/Data	40470	49H0845

<b>Miscellaneous</b>	<b>OEM Part</b>	<b>IBM Part</b>
Pwr Supply 200W	40403	22H3458
4.5v Alkaline	20409	48H7821
Keylock 286/12	60009	67H1051
I/O serial/para board	40168	22H3453
2400bd int.modem	26346	22H3235
9600bd int. w/ sw	29801	22H2822
9600 bd external	22300	22H2823