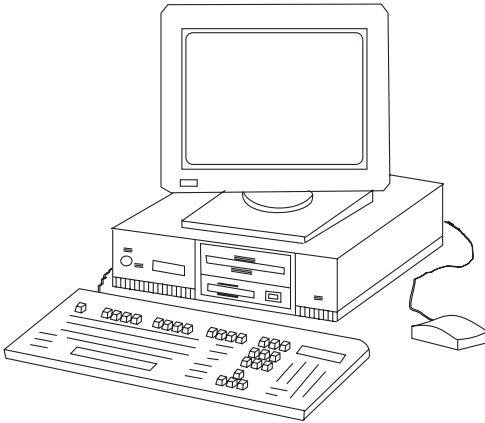


# Dell 316SX/ 320SX/ 326SX



Dell 316SX/ 320SX/ 326SX

## Specifications

### Processor

- Intel 386SX/8, 386SX/16, 386SX/20, 386SX/25 MHz

### Memory

- 316SX: 640KB standard, expands to 8MB; 320SX: 1MB standard, expands to 8MB

### I/O Expansion Slots

- 316SX/320SX: 3/16-bit slots

### Diskette Drive

- 1.2MB diskette drive

### Integrated Features

- Parallel, 2-serial, keyboard, VGA

### Internal Expansion Bays

- 316SX/320SX: 2-user accessible, 1-internal bay
- 325SX: 3-user accessible, 2-internal

### I/O Architecture

- Industry Standard Architecture ISA

### Power Supply

- 316SX: 85 watt or 100 watt; 320SX: 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, Dell 316SX, Jumper Settings

Jmpr	Function	Settings
JM3	unjumpered * 1-2	On board video doesn't drive IRQ9 On board video drives IRQ9
JM4	1-2 2-3 *	Mono. adapter installed Color adapter installed
JM5	1-2 2-3 *	On-board video disabled On-board video enabled
JM6	unjumpered * 1-2 2-3	Normal IDE pin 21/IOCHRDY IDE pin 27/IOCHRDY
JM7	1-2 2-3 *	HD IDE interface off HD IDE interface on
JM8	1-2 * 2-3	IDE drvs that tristate IRQ14 IDE drvs that don't tristate IRQ14
JM9	1-2 2-3 *	Turn off on-board diskette cntrlr Turn on on-board diskette cntrlr

## System Board, Dell 320SX, Jumper Settings

Jmpr	Function	Settings
MNT	unjumpered * jumpered	Normal system functions Execute POST routines
WSPR4	Storage	Extra jumper plug for later use
MOCO1	jumpered * unjumpered	On-board VGA set to color On-board VGA set to mono
EPWD	jumpered * unjumpered	Password option on Password option off
J5250	unjumpered * jumpered	New IBM 5250 card installed Old IBM 5250 card installed
WSPR2	unjumpered *	Reserved
WSPR3	Storage	Extra jumper plug for later use
MSYC	unjumpered * jumpered	No Multisync monitor used Using a Multisync monitor
WSP5	unjumpered *	Reserved
NIDE2	jumpered * unjumpered	New IDE drive being used Old IDE drive being used
OIDE2	unjumpered * jumpered	New IDE drive being used Old IDE drive being used
EVGA	jumpered * unjumpered	Turns on on-board VGA cntrlr Turns off on-board VGA cntrlr
WRES	unjumpered *	System reset (unused)

## Initial Removal Procedures

Before beginning removal complete the following steps.

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from outlet and system
3. Disconnect all peripheral devices from computer

## Removal For 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 (320SX)	22202	22H3600
1MB SIMM 80ns (320SX)	22204	22H3600
2MB SIMM (316/320SX)	62195	49H3926
2MB SIMM (316/325SX)	20510	22H2668
4MB SIMM (320SX)	25191	22H3599
16MB SIMM (320SX)	17170	22H2794

Controller	OEM Part	IBM Part
IDE Dual Cntl	60548	49H3809
SCSI Ctlr	35837	22H2816
Dual 1003V-MM2	42059	48H2558
FD Ext 5.25 w/ int cbl	41776	22H3697
40/120MB TBU	19496	22H2555
150MB TBU	42062	22H2520
Kybd kit (316SX)	63176	67H1260

Internal Hard Drive Size	OEM Part	IBM Part
40MB IDE	18814	22H3593
40MB IDE	42081	47H3875
50MB IDE	17694	49H7627
80MB IDE	19879	22H2759
80MB IDE SM (QTM)	29278	49H3951
80MB IDE (GNRC)	28880	22H3595
80MB IDE Conner	42725	47H3866
80MB IDE Conner	43201	68H2693
100MB IDE	19881	47H3863
100MB 1:1	42082	47H3863
100MB IDE (Quantum)	43322	49H6323
120MB IDE	27546	22H3594
120MB GNRC	28881	22H2923
170MB IDE	27543	22H2773
190MB IDE (Maxtor)	42762	93F5800
200MB (Maxtor)	17497	22H2762
230MB IDE Quantum	23540	22H2767
230MB IDE Maxtor	32813	49H0102
320MB IDE	30802	22H3291
320MB IDE	30665	47H7591
700MB IDE	35511	22H2929
230MB SCSI	25483	22H2771
1GB SCSI	29074	22H2775

System Bds.	OEM Part	IBM Part
316SX w/o BIOS/Mem	60595	22H3707
316SX w/ BIOS/512K	60637	22H3711
316SX, w/ BIOS/512K	62954	22H3710
316SX w/ BIOS/2MB	60636	49H3811
316SX CR BIOS w/o Mem	19282	22H3709
316SX CR w/0 BIOS/Mem	14176	22H3706
320SX w/o BIOS/Mem	17830	22H3712
320SX w/o BIOS/Mem	60733	22H3713
320SX BIOS w/o Mem	16413	22H3714
325SX w/o Mem	25684	22H3716

Tape Drives	OEM Part	IBM Part
150/250MB tape drive	14861	22H2735
150/250MB external	17392	22H2518
Adapter f/ 40MB int/ext	41650	22H2519
40/120MB Ext	27458	22H2556
320/525MB Int no cntrl	14259	22H2738
4GB DAT	19994	22H2739

Diskette Drives	OEM Part	IBM Part
3.5 & 5.25 Combo	27952	48H9208
3.5 (3.5) (316/320SX)	24524	22H3208
3.5 (5.25) w/o cable	42756	22H2673
5.25FS	26590	22H3290

Video Boards	OEM Part	IBM Part
ATI Ultra video board	17696	22H2798
Vantage Video Board	18692	22H3457
325/33P 316/20SX 512K	22210	55H1130
Number 9 GXI	30472	22H2729

Microprocessors	OEM Part	IBM Part
80387SL-25	26999	22H2525

BIOS Upgrades	OEM Part	IBM Part
316SX (A09)	16312	66H7616

Cables	OEM Part	IBM Part
Floppy 3 drive	43042	51H3517
Floppy drive	14644	48H6783
GPX 8'	42922	66H9800
HD IDE 40 pin dual	41755	49H1390
HD Data	41604	49H1284
Keylock microswitch con	42123	49H1510
LED low profile chassis	41765	49H1417
LED SDT CR	43383	49H1588
Parallel printer	40019	55H1157
power extension	42944	49H1553
Power 6ft	40079	22H2567
TBU data 40M ext 34-pin	41788	66H9745

Miscellaneous	OEM Part	IBM Part
Pwr supply 100W	17912	22H3256
2400bd int. modem	26346	22H3235
2400bd int modem	43154	22H2740
9600 bd int. w/ sw	29801	22H2822
9600 bd external	22300	22H2823
Lithium battery	20610	47H4786
101 Key Keyboard, 6 pin	14140	22H2792