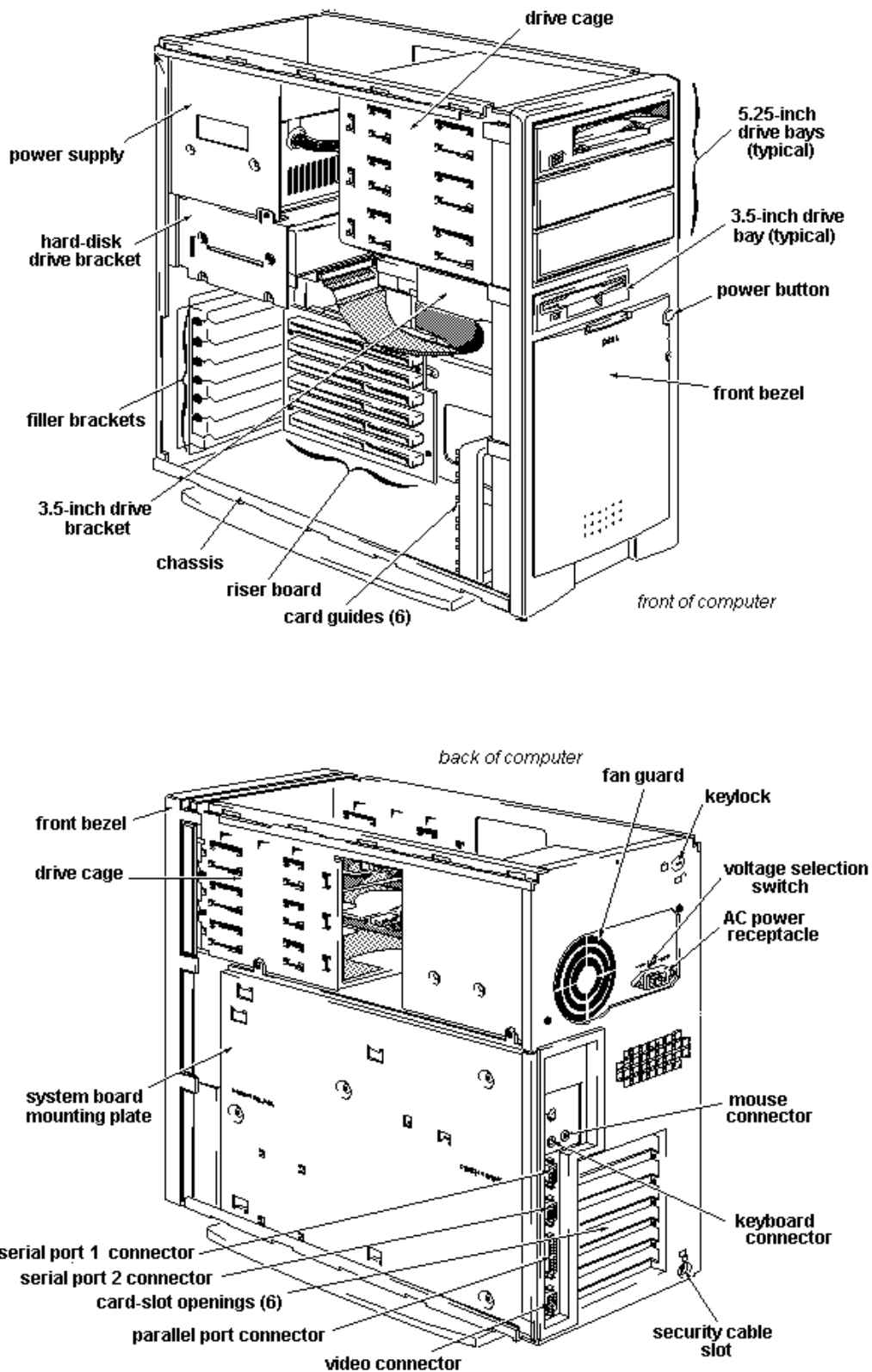


# Specifications: Dell OptiPlex 4XX/MTe (4XXDMT)

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## Component Locations



## Microprocessor

Microprocessor type	33-MHz SL Enhanced Intel486 DX chip; 33-MHz SL Enhanced Intel486 SX chip; 50-MHz internal/25-MHz external SL Enhanced IntelSX2 chip; 50-MHz internal/25 MHz external SL Enhanced IntelDX2 chip; 66-MHz internal/33-MHz external SL Enhanced IntelDX2 chip; 100-MHz internal/33-MHz external SL Enhanced IntelDX4 chip
Internal cache:	16 KB (SL Enhanced Intel DX4 microprocessor) 8 KB (all other microprocessors)
External cache:	
Intel DX2 and Intel DX4	128-KB static SRAM (standard)
Intel SX and Intel SX2	128-KB static SRAM (optional upgrade)
Math coprocessor	internal (except SL Enhanced Intel486 SX and Intel SX2 chips)
Microprocessor socket	LIF

## System Information

System chip set	VLSI
Data bus width	32 bits
Address bus width	32 bits
DMA channels	7
Interrupt levels	15
Flash EPROM	1 Mb
Serial port UART	16550-compatible

## Expansion Bus

Bus type	ISA, VL-Bus (optional)
Expansion slots	6 full-length, 16-bit ISA 2 optional VL-Bus
ISA bus speed:	
25- or 50-MHz processor	8.33 MHz
33-, 66- or 100-MHz processor	8.25 MHz
VL-Bus speed:	
25- or 50-MHz processor	25 MHz
33-, 66- or 100-MHz processor	33 MHz
ISA connector data width	16 bits (maximum)
ISA connector size	98 pins
VL-Bus connector data width	32 bits (maximum)
VL-Bus connector size	112 pins

## System Clocks

Diskette/communications ports	24 MHz from system clock
System clock	25 or 33 MHz (depending on processor used)
Keyboard controller	8 MHz

## Memory

Architecture	interleaved (if both SIMMs are of the same capacity); otherwise, noninterleaved
Wait states	0 or 1
SIMM sockets	2
SIMM capacities	4, 8, 16, and 32 MB (parity or nonparity)
Standard RAM	4 MB
Maximum RAM	64 MB
External cache	128-KB, direct-mapped SRAM*
Memory access time	
tRAC	70 ns
tCAC	20 ns
BIOS address	F0000h
* Standard for 66-MHz internal/33-MHz external SL Enhanced Intel DX2 chip, 100-MHz internal/33-MHz external SL Enhanced Intel DX4 chip. Optional for 33-MHz SL Enhanced Intel486 SX chip and 50-MHz internal/25-MHz external SL Enhanced Intel SX2 chip.	

## Drives

Externally accessible bays	(3) 5.25-inch bays for half-height diskette drives, tape drives, or CD ROM drives  (1) 3.5-inch bay for a diskette drive or tape drive
Internally accessible bays	(2) 3.5-inch bays support up to (1) 1-inch and 1 half-height hard-disk drive

## Ports

Externally accessible:	
Serial (DTE)	(2) 9-pin connectors; 16550-compatible, 16-byte buffer
Parallel	(1) 25-hole connector (bidirectional)
Video	(1) 15-hole connector
PS/2-style keyboard	(1) 6-pin mini-DIN
PS/2-compatible mouse	(1) 6-pin mini-DIN
Internally accessible:	
EIDE hard-disk drive	40-pin connector (Supports LBA, PIO mode 2 and ATAPI.)
Diskette drive	34-pin connector
VGA feature	26-pin connector

## Video

Video type	VGA
Video chip set	Cirrus CL-GD5429
Video memory	1 MB
Maximum resolution	1280 x 1024 pixels, 16 colors

## Processing-Speed Key Combinations

<CTRL-ALT->	toggles microprocessor speeds on 101-key keyboard
<CTRL-ALT-#>	toggles microprocessor speeds on 102-key keyboard

## System-Function Key Combinations

<CTRL-ALT-DEL>	restarts (reboots) the computer
<CTRL-ALT-ENTER>	starts System Setup program (MS-DOS only)

## Controls and Indicators

Reset control	push button
Power control	push button
Power indicator	green LED
Diskette-drive access indicator	green LED
Hard-disk drive access indicator	green LED

## Power

Wattage	224 W
Voltage	90 to 130 V at 60 Hz or 180 to 265 V at 50 Hz
Heat dissipation	250 BTUs
Backup battery	3-V CR2032 magnesium-oxide coin-cell

## Physical

Height	41.66 cm (16.40 inches)
Width	19.69 cm (7.75 inches)
Depth	44.20 cm (17.40 inches)
Weight	14.5 kg (32 lb)

## Environmental

Temperature:	
Operating	0 to 35C (32 to 95F)
Storage	-40 to 65C (-40 to 149F)
Relative humidity	8% to 80% (noncondensing)
Vibration:	
Operating	0.25 G
Storage	0.5 G
Shock:	
Operating	5 G
Storage	20 G
Altitude:	
Operating	-16 to 3048 m (-50 to 10,000 ft)
Storage	-16 to 10,600 m (-50 to 35,000 ft)

## Regulatory Notices

FCC (U.S. Only)	Class B
DOC (Canada)	Class B
CE Mark	EN 55022, EN 50082-1, IEC 801-2, IEC 801-3, IEC 801-4

NOTE: If the front panel of the computer bears the Energy Star emblem, then its original configuration complies with the requirements set for it by the EPA for energy-efficient computers.

## UL

For computers set at 115 V - Use a UL-certified grounded cable, type SVT or SJT, with a minimum of 18 American wire gauge (AWG). The cable must be no longer than 15 feet and must have a parallel-blade, grounded plug rated for 15 A.

For computers set at 230 V (within the U.S.) - Use a UL-certified grounded cable, type SVT or SJT, with a minimum of 18 AWG. The cable must be no longer than 15 feet and must have a tandem-blade, grounded plug rated for 15 A/250 V.

For computers set at 230 V (outside the U.S.) - Use a grounded cable, type SVT or SJT, with a minimum of 18 AWG. The cable must be no longer than 15 feet, must be rated according to the requirements of the country in which the equipment is to be used, and must have a grounded plug. The cable should be labeled "HAR" and should have the appropriate safety approvals for each country.