



Manuals

Specifications

Dell Precision™ T3500 Service Manual

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NOTE: Offerings may vary by region. For more information regarding the configuration of your Tablet-PC, click **Start** (or **Start** in Windows XP) → **Help and Support** and then select the option to view information about your Tablet-PC.

Processor	
Processor types	Intel® Xeon® Processor 3500 series Intel Xeon Processor 5500 series

System Information	
System chipset	Intel X58+ ICH10
Data bus width	64 bits

Memory	
Memory module connectors	Six
Memory module capacities	1 GB, 2 GB, or 4 GB
Memory type	DDR3 1066 MHz & 1333 MHz (Both ECC and Non-ECC)
Minimum memory	1 GB
Maximum memory	24 GB

Video	
Video type:	
Discrete	Two PCI Express 2.0 x16 slots Note: Support for discrete full length full height graphics option through PCIe x16 graphics card slot

Audio	
Audio type	ADI1984A integrated audio

Expansion Bus	
Bus type	PCI 2.3 PCI Express 2.0 (PCIe-x16) PCI Express 1.1 (PCIe-x1) SATA 1.0 and 2.0 USB 2.0 eSATA
Bus speed	133 MB/s (PCI) x1-slot bidirectional speed - 500 MB/s (PCI Express) x16-slot bidirectional speed - 8 GB/s (PCI Express) 1.5 Gbps and 3.0 Gbps (SATA) 480-Mbps high speed, 12-Mbps full speed, 1.2-Mbps Low speed (USB)
PCI Connectors	
connectors	Two
connector size	124 pins

connector data width (maximum)	32 bits
PCI Express x8	
connector	Two
connector size	98 pins
PCI Express x16	
connector	Two
connector size	164 pins

Drives	
Externally accessible	One 3.5-inch drive bay (FlexBay), Two 5.25-inch drive bays
Internally accessible	Two 3.5-inch SATA drive bays Note: The platform can accommodate third and fourth 3.5-inch hard drives in the flex bay or the optical drive bay. (4 HDD support is limited to SATA only & tower orientation only, SAS is limited to 3 HDD)
Available devices	3.5-inch SATA hard drives SATA DVD, SATA CD-RW/DVD Combo, SATA DVD+/-RW, SATA BD Combo (Blu-Ray playback only), SATA Blu-ray R/W One 3.5-inch USB media card reader with Bluetooth® Internal USB floppy drive

Connectors	
External connectors:	
Video	(Depending on video card) DVI connector Display port
Network adapter	RJ-45 connector
USB	USB 2.0 compliant, support 2.0 A sustained charge to power external USB devices Two internal connectors Two in front Six at the back
Audio	Two rear connectors for line-in and line-out Two front-panel connectors for headphones and microphone
Serial	One 9-pin connectors; 16550C-compatible
PS/2	Two 6-pin mini-DIN connector
IEEE 1394a	One front-panel 6-pin connector (with optional card)
System board connectors:	
Serial ATA	Seven 7-pin connectors
Internal USB device	One 10-pin connector
Processor fan	One 4-pin connector
Chassis fan	One 3-pin connector
HDD cage fan	One 3-pin connector
PCI 2.3	Two 124-pin connectors
PCI Express x8	Two 98-pin connector
PCI Express x16	Two 164-pin connector
Front panel control (USB included)	One 40-pin connector
Front panel audio HDA header	One 10-pin connector
Processor	One 1366-pin connector
Memory	Six 240-pin connectors
Processor Power	One 8-pin connector
Power	One 24-pin connector

Power	One 24-pin connector
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Controls and Lights	
Front of the computer:	
Power button	Push button
Power light	Amber light . Solid amber indicates a problem with an installed device; blinking amber indicates an internal power problem. Green light . Blinking green in sleep state; solid green for power-on state.
Drive activity light	Green light . A blinking green light indicates the computer is reading data from or writing data to the SATA hard drive or CD/DVD.
Network link light	Green light . Solid green indicates a connection to an active network Off (no light) . System is not connected to a network
Back of the computer:	
Link integrity light (on integrated network adapter)	Green . A good connection at 10Mbps exists between the network and the computer. Orange . A good connection at 100Mbps exists between the network and the computer. Yellow . A good connection at 1000Mbps exists between the network and the computer. Off . The computer is not detecting a physical connection to the network.
Network activity light (on integrated network adapter)	Yellow blinking light

Power	
DC power supply:	
Wattage	525 W
Maximum heat dissipation (MHD)	1194 BTU/hr
Voltage	115/230 VAC, 50/60 Hz, 6.0/3.0 A
Coin-cell battery	3 V CR2032 lithium coin cell

Physical	
Height	44.8 cm (17.6 inches)
Width	17.2 cm (6.8 inches)
Depth	46.8 cm (18.4 inches)
Weight	17.3 kg (38.0 lb)

Environmental	
Temperature range:	
Operating	10° to 35°C (50° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)
Relative humidity (maximum):	20% to 80% (noncondensing)
Maximum vibration (using a random-vibration spectrum that simulates user environment):	
Operating	5 to 350 Hz at 0.0002 G ² /Hz
Storage	5 to 500 Hz at 0.001 to 0.01 G ² /Hz
Maximum shock (measured with hard drive in head-parked position and a 2-ms half-sine pulse):	
Operating	40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 51 cm/sec [20 in/sec])
Storage	105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 127 cm/sec [50 in/sec])
Altitude (maximum):	

Operating	-15.2 to 3048 m (-50 to 10,000 ft)
Storage	-15.2 to 10,668 m (-50 to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985

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