About Warnings

⚠️ WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Dell Precision™ Workstation T7500/T7500n
Setup and Features Information

Front and Back View

1. optical drive
2. optical drive filler panel
3. flex bay
4. link integrity light
5. headphone connector
6. microphone connector
7. power button, power light
8. diagnostic lights (4)
9. USB 2.0 connectors (2)
10. IEEE 1394 connector

June 2009

Model: DC00
WARNING: Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information see www.dell.com/regulatory_compliance.

CAUTION: Do not install your computer in an enclosure where there is limited, restricted or no airflow. Restricting the airflow impacts your computer's performance, possibly causing it to overheat. If your computer is installed in a corner on a desk leave at least 5.1 cm (2 in) clearance from the back of the computer to the wall to permit the airflow required for proper ventilation.

NOTE: Clean dust off the grill at the back of the computer whenever it is dusty.

NOTE: Some devices shown below may not be included if you did not order them.

Back Panel Connectors

11 drive activity light 12 optical drive eject button
13 power connector 14 cover-release latch and padlock ring
15 security cable slot 16 back panel connectors
17 expansion card slots (7) 18 power supply diagnostic button
19 power supply diagnostic light

Quick Setup

WARNING: Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information see www.dell.com/regulatory_compliance.

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NOTE: Clean dust off the grill at the back of the computer whenever it is dusty.

NOTE: Some devices shown below may not be included if you did not order them.
1 Connect the monitor using one of the following cables:

a) The dual monitor Y-adapter cable
b) The white DVI cable
c) The blue VGA cable
d) The blue VGA cable to a DVI adapter
e The DisplayPort cable
g The DisplayPort to a VGA adapter
f The DisplayPort to a DVI adapter
2 Connect a USB device, such as a keyboard or mouse.
3 Connect the network cable.

4 Connect the modem (if installed).

5 Connect the power cable(s).

6 Press the power buttons on the monitor and the computer.

Specifications

NOTE: The following specifications are only those required by law to ship with your computer. For a complete and current listing of the specifications for your computer, go to support.dell.com.

Processor

<table>
<thead>
<tr>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual-Core Intel® Xeon® Processor 5500 series</td>
</tr>
<tr>
<td>Quad-Core Intel® Xeon® Processor 5500 series</td>
</tr>
</tbody>
</table>

System Information

<table>
<thead>
<tr>
<th>System chipset</th>
<th>Intel 5500/5520</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data bus width</td>
<td>64 bits</td>
</tr>
</tbody>
</table>
Video
Type: Discrete

NOTE: Support for two full height, full length graphics cards using the PCIe x16 graphics card slot

Drives
Externally accessible: four 5.25 inch drive bays (can support 3.5 inch flex bay)
Internally accessible: four 3.5 inch drive bays
Available devices: up to five 3.5 inch SATA or four SAS hard drives
• up to three of the following 5.25-inch drives: SATA DVD-ROM, DVD+/-RW super multi drive/Blu-ray™ drive
• one 3.5-inch USB media card reader or
• one 3.5-inch FDD drive

NOTE: Supports a maximum of five hard drives

Controls and Lights
Front of the computer:
Power button: push button
Power light: green light — Blinking green in sleep state; solid green for power-on state
amber light — A blinking amber light indicates a problem with the system board. A solid amber light when the computer does not start indicates that the system board cannot start initialization but that the power supply is good - in normal operating state
no light — System is in the off state
Drive activity light: green light — indicates that the computer is reading data from or writing data to the SATA hard drive or CD/DVD
Link integrity light: green light — A good connection exists between the network and the computer
off (no light) — The computer is not detecting a physical connection to the network
Controls and Lights (continued)

Back of the computer:

- Link integrity light (on integrated network adapter)
  - Green light — A good connection at 10Mbs exists between the network and the computer
  - Orange light — A good connection at 100Mbs exists between the network and the computer
  - Yellow light — A good connection at 1000Mbs exists between the network and the computer
  - Off (no light) — The computer is not detecting a physical connection to the network

- Network activity light (on integrated network adapter)
  - Yellow blinking light

- Power supply diagnostic LED
  - Green light — Indicates the power supply is working properly
  - Off (no light) — Indicates that no power is available for the power supply

Power

- AC power supply:
  - Voltage (see the safety information that shipped with your computer for important voltage setting information): 100–240 VAC, 50–60 Hz, 12.0 A

- Coin-cell battery: 3 V CR2032 lithium coin cell

Physical

- Height: 56.50 cm (22.25 inches)
- Width: 21.60 cm (8.50 inches)
- Depth: 55.30 cm (21.80 inches)
- Weight: at least 24.90 kg (55 lbs)

⚠️ WARNING: Your computer is heavy and can be difficult to maneuver. Seek assistance before attempting to lift, move, or tilt it. This computer requires a two-man lift. Always lift correctly to avoid injury. Avoid bending over while lifting.
### Environmental

<table>
<thead>
<tr>
<th></th>
<th>Range</th>
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<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td></td>
</tr>
<tr>
<td>Operating</td>
<td>10° to 35° C (50° to 95° F)</td>
</tr>
<tr>
<td>Storage</td>
<td>–40° to 65° C (–40° to 149° F)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>20% to 80% (noncondensing)</td>
</tr>
<tr>
<td><strong>Altitude</strong></td>
<td></td>
</tr>
<tr>
<td>Operating</td>
<td>–15.2 to 3048 m (–50 to 10,000 ft)</td>
</tr>
<tr>
<td>Storage</td>
<td>–15.2 to 10,668 m (–50 to 35,000 ft)</td>
</tr>
<tr>
<td><strong>Airborne contaminant level</strong></td>
<td>G2 or lower as defined by ISA-S71.04-1985</td>
</tr>
</tbody>
</table>

### Finding More Information and Resources

<table>
<thead>
<tr>
<th>If you need to:</th>
<th>See:</th>
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<tbody>
<tr>
<td>Find safety best practices information for your computer, review Warranty information, Terms and Conditions (U.S only), Safety instructions, Regulatory information, Ergonomics information, and End User License Agreement.</td>
<td>The safety and regulatory documents that shipped with your computer and the Regulatory Compliance Homepage at <a href="http://www.dell.com/regulatory_compliance">www.dell.com/regulatory_compliance</a>.</td>
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