About Warnings

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

**Dell™ OptiPlex™ 780**
Setup and Features Information Tech Sheet

Front and Back View — Desktop

1. optical drive
2. optical drive eject button
3. USB 2.0 connectors (2)
4. drive activity light
5. power button, power light
6. diagnostic lights (4)
7. network connectivity light
8. microphone connector
9. headphone connector
10. Media Card Reader (optional)
11.  
12.  
13.  
14.  
15.  
16.  

March 2010

Models: DCSM1F, DCSM, DCCY, and DCCY series
Front and Back View — Mini-Tower

1. optical drive
2. optical drive eject button
3. optical drive bay (optional)
4. Media Card Reader (optional)
5. USB 2.0 connectors (2)
6. drive activity light
7. power button, power light
8. diagnostic lights (4)
9. headphone connector
10. microphone connector
11. network connectivity light
12. power connector
13. back panel connectors
14. expansion card slots (4)
15. cooling vents
16. padlock ring
17. cover release latch

11. cooling vents
12. cover release latch
13. padlock ring
14. power connector
15. back panel connectors
16. expansion card slots (3)
Front and Back View — Small Form Factor

1. optical drive
2. optical drive eject button
3. USB 2.0 connectors (2)
4. network connectivity light
5. diagnostic lights (4)
6. drive activity light
7. power button, power light
8. microphone connector
9. headphone connector
10. Media Card Reader (optional)
11. cover release latch
12. padlock ring
13. power connector
14. back panel connectors
15. expansion card slots (2)
Back Panel Connectors — Desktop, Mini-Tower, and Small Form Factor

1 parallel connector
2 serial connector
3 link integrity light
4 network connector
5 network activity light
6 line-out connector
7 line-in/microphone connector
8 USB 2.0 connectors (6)
9 VGA connector
10 eSata connector
11 DisplayPort connector

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.

📝 NOTE: Some devices may not be included if you did not order them.
1. Connect the monitor using only one of the following cables:
   a. The blue VGA cable
   b. The white DVI cable
   c. The VGA cable to a DVI adapter
   d. The dual monitor Y-adapter cable
   e. The DisplayPort cable
   f. The DVI cable to DisplayPort adapter
   g. The VGA cable to DisplayPort Adapter
2 Connect the USB keyboard or mouse (optional).

3 Connect the network cable (optional).

4 Connect the modem (optional).

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.

### System Information

<table>
<thead>
<tr>
<th>Chipset</th>
<th>Intel® Q45 Express chipset w/ICH10DO</th>
</tr>
</thead>
</table>

### Processor

<table>
<thead>
<tr>
<th>Processor</th>
<th>Intel Core™2 Duo, Intel Core 2 Quad, Intel Pentium® Dual Core, and Intel Celeron®</th>
</tr>
</thead>
</table>

### Video

#### Video type:

<table>
<thead>
<tr>
<th>Integrated</th>
<th>Intel integrated video</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discrete</td>
<td>PCI Express x16 graphics adapter</td>
</tr>
</tbody>
</table>

**NOTE:** The PCI Express x16 slot is disabled when a display is connected to the integrated DisplayPort connector.

#### Video memory:

<table>
<thead>
<tr>
<th>Integrated</th>
<th>Up to 256 MB shared video memory (system memory greater than 512 MB)</th>
</tr>
</thead>
</table>

### Memory

<table>
<thead>
<tr>
<th>Memory module connector</th>
<th>Four DIMM slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory module capacity</td>
<td>1 GB, 2 GB, or 4 GB</td>
</tr>
<tr>
<td>Type</td>
<td>1066 MHz DDR3 SDRAM (non-ECC only)</td>
</tr>
<tr>
<td>Minimum memory</td>
<td>1 GB</td>
</tr>
<tr>
<td>Maximum memory</td>
<td>16 GB</td>
</tr>
</tbody>
</table>

### Drives

<table>
<thead>
<tr>
<th>Externally accessible:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.25-inch drive bays</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>5.25-inch slimline bay</td>
</tr>
<tr>
<td>3.5-inch drive bay</td>
</tr>
<tr>
<td>3.5-inch slimline bay</td>
</tr>
</tbody>
</table>
Drives (continued)

Internally accessible:

3.5-inch SATA drive bays
- Mini-Tower — two
- Desktop and Small Form Factor — one

Available devices:

2.5-inch SATA hard drive (with brackets)
- Mini-Tower, Desktop, and Small Form Factor — two

3.5-inch SATA hard drive
- Mini-Tower — two
- Desktop and Small Form Factor — one

19-in-1 Media Card Reader
- Mini-Tower and Desktop — one
- Small Form Factor — one (slimline drive)

5.25-inch SATA DVD-ROM, DVD+/-RW, or DVD/CDRW combo drive
- Mini-Tower — two
- Desktop — one
- Small Form Factor — one (slimline drive)

Control Lights and Diagnostic Lights

Power button light
- Green light — Solid green light indicates power-on state; blinking green light indicates sleep state of the computer.
- Amber light — Solid amber light when the computer does not start indicates a problem with the system board or power supply. Blinking amber light indicates a problem with the system board.

Drive activity light
- Green light — Blinking green light indicates that the computer is reading data from or writing data to the hard drive.

Network connectivity 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.

Diagnostic lights
- Four lights located on the front panel of the computer.
  For more information on the diagnostic lights, see the Service Manual available on the Dell Support website at support.dell.com/manuals.
### Power

<table>
<thead>
<tr>
<th>Component</th>
<th>Mini-Tower</th>
<th>Desktop</th>
<th>Small Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage</td>
<td>305 W (non-EPA) or 255 W (EPA)</td>
<td>255 W</td>
<td>235 W</td>
</tr>
<tr>
<td>Maximum heat dissipation</td>
<td>1041 BTU/hr</td>
<td>955 BTU/hr</td>
<td>938 BTU/hr</td>
</tr>
</tbody>
</table>

**NOTE:** Heat dissipation is calculated by using the power supply wattage rating.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Mini-Tower</th>
<th>Desktop</th>
<th>Small Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90–265 VAC, 50/60 Hz</td>
<td>90–265 VAC, 50/60 Hz</td>
<td>90–265 VAC, 50/60 Hz</td>
</tr>
</tbody>
</table>

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

### Physical

<table>
<thead>
<tr>
<th>Component</th>
<th>Mini-Tower</th>
<th>Desktop</th>
<th>Small Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>40.80 cm (16.10 inches)</td>
<td>11.40 cm (4.50 inches)</td>
<td>9.26 cm (3.65 inches)</td>
</tr>
<tr>
<td>Width</td>
<td>18.70 cm (7.40 inches)</td>
<td>39.90 cm (15.70 inches)</td>
<td>31.40 cm (12.40 inches)</td>
</tr>
<tr>
<td>Depth</td>
<td>43.30 cm (17.00 inches)</td>
<td>35.30 cm (13.90 inches)</td>
<td>34.00 cm (13.40 inches)</td>
</tr>
<tr>
<td>Weight</td>
<td>11.70 kgs (25.80 lbs)</td>
<td>8.26 kgs (18.20 lbs)</td>
<td>6.80 kgs (15.00 lbs)</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Component</th>
<th>Mini-Tower</th>
<th>Desktop</th>
<th>Small Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>10 °C to 35 °C (50 °F to 95 °F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage temperature</td>
<td>−40 °C to 65 °C (−40 °F to 149 °F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative humidity</td>
<td>20% to 80% (noncondensing)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Environmental (continued)

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

Finding More Information and Resources

If you need to: See:
- Find safety best practices information for your computer, review Warranty information, Safety instructions, Regulatory information, Ergonomics information, and End User License Agreement
- The safety and regulatory documents that shipped with your computer and the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

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