About Warnings

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

Dell™ OptiPlex™ 780 Ultra Small Form Factor
Setup and Features Information Tech Sheet

Front View

1. CD/DVD drive
2. power button
3. drive activity light
4. diagnostic lights (4)
5. network activity light
6. WiFi activity light (optional)
7. headphone connector
8. microphone connector
9. USB connectors (2)
Back View

1. network activity light
2. captive thumbscrew
3. padlock ring
4. security cable slot
5. power connector
6. line-out connector
7. line-in/microphone connector
8. eSATA connector
9. DisplayPort connector
10. VGA connector
11. serial connector
12. USB connectors (5)
13. network connector
14. link integrity light
15. WiFi antenna (optional)
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.

ℹ️ 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 DisplayPort cable.
   - c The VGA cable to a DisplayPort adapter.

2. Connect the USB keyboard or mouse (optional).

3. Connect the network cable (optional).
4 Connect the power cable.

5 Press the power buttons on the monitor and 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

| Chipset       | Intel® Q45 Express chipset with ICH10DO |

Processor

| Processor     | Intel Core™ 2 Duo, Intel Pentium® Dual-Core, Intel Celeron® Dual-Core, Intel Celeron® |
### Video

**Video type:**
- Integrated: Intel Q45 graphics controller

**Video memory:**
- Integrated: Upto 1759 MB shared video memory

### Memory

**Memory module connector:** 2 DIMM slots
**Memory module capacity:** 1 GB or 2 GB
**Type:** DDR3 1066 MHz (non-ECC)
**Minimum memory:** 1 GB
**Maximum memory:** 4 GB

### Drives

**Externally accessible:**
- 5.25-inch slimline drive bay: One

**Internally accessible:**
- 2.5-inch SATA drive bay: One

**Available devices:**
- 2.5-inch SATA hard drive: One
- 5.25-inch SATA DVD-ROM, DVD +/-RW drive: One

**NOTE:** Supports a maximum of one hard drive.
# Control Lights and Diagnostic Lights

## Front of computer:

- **Power button light**
  - Blue light — Solid blue light indicates power-on state; blinking blue 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**
  - Displays the SATA hard drive or CD/DVD drive activity.
  - Blue light — Blinking blue light indicates that the computer is reading data from or writing data to the drive.

- **Network activity light**
  - Blue 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.

- **WiFi activity light (optional)**
  - Blue light — The WiFi network card is enabled.

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

## Back of computer:

- **Link integrity light on integrated network adapter**
  - Green light — A good 10 Mbps connection exists between the network and the computer.
  - Orange light — A good 100 Mbps connection exists between the network and the computer.
  - Yellow light — A good 1000 Mbps connection 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 light — A blinking yellow light indicates that network activity is present.
Control Lights and Diagnostic Lights (continued)

Inside of computer:

<table>
<thead>
<tr>
<th>Light Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply light</td>
<td>Green — The power supply is turned on and is functional. The power cable must be connected to the power connector (at the back of the computer) and the electrical outlet. A test button and LED are on the top side of the unit.</td>
</tr>
</tbody>
</table>

**NOTE:** You can test the health of the power system by pressing the test button. When the system’s power supply voltage is within specification, the self-test LED lights. If the LED does not light up, the power supply may be defective. AC power must be connected during this test.

**NOTE:** The test button and indication LED are not accessible from outside the system. They are located under the removable side cover on top of the power supply.

<table>
<thead>
<tr>
<th>Power</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage</td>
<td>180 W</td>
<td></td>
</tr>
<tr>
<td>Maximum heat dissipation</td>
<td>750 BTU/hr</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>90–264 VAC</td>
</tr>
<tr>
<td>Frequency</td>
<td>47–63 Hz</td>
</tr>
<tr>
<td>Input amperage</td>
<td>2.6 A</td>
</tr>
</tbody>
</table>

**NOTE:** See the safety information that shipped with your computer for important voltage-setting information.

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

<table>
<thead>
<tr>
<th>Physical</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Height</td>
<td>23.7 cm (9.3 inches)</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>6.5 cm (2.6 inches)</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>24.0 cm (9.4 inches)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>3.2 kg (7 lbs)</td>
<td></td>
</tr>
</tbody>
</table>
Environmental

Temperature:

Operating 10° to 35°C (50° to 95°F)
Storage -40° to 65°C (-40° to 149°F)
Relative humidity 20% to 80% (noncondensing)

Altitude:

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

Finding More Information and Resources

<table>
<thead>
<tr>
<th>If you need to:</th>
<th>See:</th>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>