Dell Optiplex 390
Setup And Features Information

About Warnings

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

Mini-Tower — Front And Back View

1. power button
2. optical drive bay
3. headphone connector
4. microphone connector
5. diagnostic lights (4)
6. optical drive
7. optical drive eject button
8. USB 2.0 connectors (2)
9. hard-drive activity light
10. power-supply diagnostic light
11. power-supply diagnostic button
12. power cable connector
Desktop — Front And Back View

1. optical drive
2. optical drive eject button
3. power button
4. USB 2.0 connectors (2)
5. microphone connector
6. headphone connector
7. hard-drive activity light
8. diagnostic lights (4)
9. padlock ring
10. security cable slot
11. power cable connector
12. back panel connectors
13. expansion card slots (4)
14. power-supply diagnostic light
15. power-supply diagnostic button
Mini-Tower And Desktop — Back Panel

Figure 3. Back Panel View of Mini-Tower And Desktop

1. link integrity light
2. network connector
3. network activity light
4. line-in connector
5. line-out connector
6. USB 2.0 connectors (6)
7. HDMI connector
8. VGA connector
9. microphone connector
Small Form Factor — Front And Back View

Figure 4. Front And Back View Of Small Form Factor

1. optical drive
2. optical drive eject button
3. power button
4. USB 2.0 connectors (2)
5. microphone connector
6. headphone connector
7. diagnostic lights (4)
8. hard-drive activity light
9. padlock ring
10. security cable slot
11. power cable connector
12. power-supply diagnostic button
13. power-supply diagnostic light
14. back panel connectors
15. expansion card slots (2)
Small Form Factor — Back Panel

Figure 5. Back Panel View of Small Form Factor

1. link integrity light
2. network connector
3. network activity light
4. line-out connector
5. HDMI connector
6. VGA connector
7. USB 2.0 connectors (6)
8. line-in/microphone 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:

Figure 6. HDMI Connector
2. Connect the USB keyboard or mouse (optional).

3. Connect the network cable (optional).

4. Connect the power cable(s).

5. 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 H61 Express Chipset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td></td>
</tr>
<tr>
<td>• Intel Core i3 Series</td>
<td></td>
</tr>
<tr>
<td>• Intel Core i5 Series</td>
<td></td>
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Video

Video type:

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<thead>
<tr>
<th>Integrated</th>
<th>Intel HD graphics 2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discrete</td>
<td></td>
</tr>
<tr>
<td>• AMD Radeon HD 6350</td>
<td></td>
</tr>
<tr>
<td>• AMD Radeon HD 6450</td>
<td></td>
</tr>
</tbody>
</table>

Video memory:

<table>
<thead>
<tr>
<th>Integrated</th>
<th>up to 1.7 GB shared video memory</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Microsoft Windows Vista and Windows 7)</td>
</tr>
<tr>
<td>Discrete</td>
<td>up to 1 GB</td>
</tr>
</tbody>
</table>

Memory

<table>
<thead>
<tr>
<th>Memory module connector</th>
<th>two DIMM slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory module capacity</td>
<td>1 GB, 2 GB, and 4 GB</td>
</tr>
<tr>
<td>Memory type</td>
<td>DDR3 with 1333 MHz</td>
</tr>
</tbody>
</table>
### Memory

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Minimum memory</td>
<td>1 GB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum memory</td>
<td>8 GB</td>
<td></td>
<td></td>
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</tbody>
</table>

### Drives

<table>
<thead>
<tr>
<th></th>
<th>Mini-Tower</th>
<th>Desktop</th>
<th>Small Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Externally accessible:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.25 inch drive bays</td>
<td>two</td>
<td>one</td>
<td>one (slimline)</td>
</tr>
<tr>
<td>Internally accessible:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.5 inch drive bays</td>
<td>two</td>
<td>one</td>
<td>one</td>
</tr>
</tbody>
</table>

### 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**
  - Blue light — Blinking blue light indicates that the computer is reading data from or writing data to the hard drive.

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

**Back of computer:**

- **Power supply light**
  - Green light — 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.

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

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

### Voltage

- **Mini-Tower**: 100 VAC to 240 VAC, 50 Hz to 60 Hz, 5.0 A  
- **Desktop**: 100 VAC to 240 VAC, 50 Hz to 60 Hz, 4.4 A  
- **Small Form Factor**: 100 VAC to 240 VAC, 50 Hz to 60 Hz, 3.6 A/4.0 A

### Wattage

- **Mini-Tower**: 265 W  
- **Desktop**: 250 W  
- **Small Form Factor**: 240 W

### Maximum heat dissipation

- **Mini-Tower**: 1390 BTU/hr  
- **Desktop**: 1312 BTU/hr  
- **Small Form Factor**: 1259 BTU/hr

- **NOTE**: Heat dissipation is calculated by using the power supply wattage rating.  
- **NOTE**: The voltage selector switch is available only on non-EPA power supplies.  
- **NOTE**: See the safety information that shipped with your computer for important voltage-setting information.

<table>
<thead>
<tr>
<th>Physical</th>
<th>Mini-Tower</th>
<th>Desktop</th>
<th>Small Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>360.00 mm (14.17 inches)</td>
<td>360.00 mm (14.17 inches)</td>
<td>290.00 mm (11.42 inches)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>175.00 mm (6.89 inches)</td>
<td>102.00 mm (4.01 inches)</td>
<td>92.60 mm (3.64 inches)</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>417.00 mm (16.42 inches)</td>
<td>410.00 mm (16.14 inches)</td>
<td>312.00 mm (12.28 inches)</td>
</tr>
<tr>
<td><strong>Weight (Minimum)</strong></td>
<td>8.87 kg (19.55 lb)</td>
<td>7.56 kg (16.67 lb)</td>
<td>5.70 kg (12.57 lb)</td>
</tr>
</tbody>
</table>
Environmental

Temperature:

Operating: 10 °C to 35 °C (50 °F to 95 °F)
Storage: -40 °C to 65 °C (-40 °F to 149 °F)

Relative humidity: 20% to 80% (noncondensing)

Altitude:

Operating: -15.20 m to 3048 m (-50 ft to 10,000 ft)
Storage: -15.20 m to 10,668 m (-50 ft to 35,000 ft)

Airborne contaminant level: G1 as defined by ISA-S71.04–1985

Finding More Information and Resources

See the safety and regulatory documents that shipped with your computer and the regulatory compliance website at www.dell.com/regulatory_compliance for more information on:

- Safety best practices
- Regulatory certification
- Ergonomics

See www.dell.com for additional information on:

- Warranty
- Terms and Conditions (U.S. only)
- End User License Agreement

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