Inspiron 24 5000
Setup and Specifications

Computer Model: Inspiron 24-5459
Regulatory Model: W12C
Regulatory Type: W12C004
Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

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

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Set up your computer

1. Set up the stand.
   - Pedestal Stand
   - Articulating stand
2 Set up the keyboard and mouse.
See the documentation that shipped with the keyboard and mouse.
3. Connect the power adapter.
   - Pedestal Stand
   - Articulating Stand
4  Press the power button.
5  Follow the instructions on the screen to finish Windows setup.
   a) Connect to a network.

   Let's get connected

   Put a network and go online to finish setting up this device.

   Connections
   🌐 Network
   ☑ Connected

   Wi-Fi
   📣 Wi-Fi available
   🌐 Connected
   🌐 Connected
   🔐 Connected

   For the map
   🌐

b) Sign-in to your Microsoft account or create a local account.

   Make it yours

   Your Microsoft account opens a world of benefits. Learn more

   🔐 Email or phone
   🕓 Password

   Forgot my password

   No account? Create one!

   Microsoft privacy statement
   Sign in
6 Explore Dell resources on your desktop.

**Table 1. Locate Dell apps**

Register your computer

**Dell Help & Support**

SupportAssist — Check and update your computer
Views

Front

1. **Left microphone (touchscreen)**
   Provides digital sound input for audio recording and voice calls.

2. **Left microphone (non-touchscreen)**
   Provides digital sound input for audio recording and voice calls.

3. **Camera**
   Enables you to video chat, capture photos, and record videos.

4. **Camera-status light**
   Turns on when the camera is in use.

5. **Right microphone (non-touchscreen)**
   Provides digital sound input for audio recording and voice calls.
6 **Right microphone (touchscreen)**
Provides digital sound input for audio recording and voice calls.

### Right

1. **Optical drive**
   Reads from and writes to CDs and DVDs.

2. **Brightness control buttons (2)**
   Press to increase or decrease the display brightness.

3. **Screen-off button**
   Press and hold to turn off the display; press again to turn on the display.

4. **Power button**
   Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.
   Press to put the computer in sleep state if it is turned on.
   Press and hold for 4 seconds to force shut-down the computer.
NOTE: You can customize the power-button behavior in Power Options. For more information, see Me and My Dell at www.dell.com/support/manuals.

Left

1. Media-card reader
   Reads from and writes to media cards.

2. USB 3.0 ports (2)
   Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 5 Gbps.

3. Headset port
   Connect headphones or a headset (headphone and microphone combo).
1  **Audio-out port**  
Connect audio-output devices such as speakers, amplifiers, and so on.

2  **HDMI-out port**  
Connect a TV or another HDMI-in enabled device. Provides video and audio output.

3  **HDMI-in port**  
Connect a gaming console, Blu-ray player, or other HDMI-out enabled devices.

4  **USB 2.0 ports (4)**  
Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 480 Mbps.

5  **Network port**  
Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or internet access.

6  **Power-adapter port**
Connect a power adapter to provide power to your computer.

7 Service Tag label
The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

Tilt

Pedestal stand

Articulating stand
Specifications

System information

Table 2. System information

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer model</td>
<td>Inspiron 24-5459</td>
</tr>
<tr>
<td>Processor</td>
<td>• 6th generation Intel Core i3/i5/i7 series</td>
</tr>
<tr>
<td></td>
<td>• 6th generation Intel Pentium</td>
</tr>
<tr>
<td>System chipset</td>
<td>H110</td>
</tr>
</tbody>
</table>

Dimensions and weight

Table 3. Dimensions and weight

<table>
<thead>
<tr>
<th></th>
<th>Touchscreen</th>
<th>Non-touchscreen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>385.33 mm (15.17 in)</td>
<td>393.00 mm (15.50 in)</td>
</tr>
<tr>
<td>Width</td>
<td>576.62 mm (22.70 in)</td>
<td>577.00 mm (22.74 in)</td>
</tr>
<tr>
<td>Depth</td>
<td>38.20 mm (1.50 in)</td>
<td>39.30 mm (1.55 in)</td>
</tr>
<tr>
<td>Weight (maximum)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Without stand</td>
<td>6.98 kg (15.39 lb)</td>
<td>5.89 kg (12.99 lb)</td>
</tr>
<tr>
<td>With pedestal stand</td>
<td>8.30 kg (18.30 lb)</td>
<td>7.11 kg (15.67 lb)</td>
</tr>
<tr>
<td>With articulating stand</td>
<td>9.88 kg (21.78 lb)</td>
<td>8.68 kg (19.14 lb)</td>
</tr>
</tbody>
</table>

NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.
Memory

Table 4. Memory specifications

<table>
<thead>
<tr>
<th>Slots</th>
<th>Two SODIMM slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Dual-channel DDR3L</td>
</tr>
<tr>
<td>Speed</td>
<td>Up to 1600 MHz</td>
</tr>
<tr>
<td>Configurations supported</td>
<td>4 GB, 8 GB, 12 GB, and 16 GB</td>
</tr>
</tbody>
</table>

Ports and connectors

Table 5. Ports and connectors specifications

External:

<table>
<thead>
<tr>
<th>Network</th>
<th>One RJ45 port</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB</td>
<td>• Four USB 2.0 ports</td>
</tr>
<tr>
<td></td>
<td>• Two USB 3.0 ports</td>
</tr>
</tbody>
</table>

Audio/Video

| • One headset port |
| • One audio-out port |
| • One HDMI-out port |
| • One HDMI-in port |

Table 6. Ports and connectors specifications

Internal:

<table>
<thead>
<tr>
<th>M.2 card</th>
<th>One M.2 slot for WLAN and Bluetooth combo card</th>
</tr>
</thead>
</table>
Communications

Table 7. Communication specifications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

• Wi-Fi 802.11ac
• Wi-Fi 802.11b/g/n
• Bluetooth 4.0

Audio

Table 8. Audio specifications

Controller

Realtek ALC3661 with Waves Maxx Audio Pro

Speakers

Two

Speaker Output

• Average – 3 W
• Peak – 3.5 W

Microphone

Dual Digital Microphone

Volume controls

Program menus

Storage

Table 9. Storage specifications

Interface

• SATA 3 Gbps for optical drive
• SATA 6 Gbps for hard drive

Hard drive

One 2.5-inch drive

Optical drive

One 9.5-mm DVD+/−RW drive
Media-card reader

Table 10. Media-card reader specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>One 4-in-1 slot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cards supported</td>
<td></td>
</tr>
<tr>
<td>• SD card</td>
<td></td>
</tr>
<tr>
<td>• MultiMediaCard (MMC)</td>
<td></td>
</tr>
<tr>
<td>• SD Extended Capacity (SDXC) card</td>
<td></td>
</tr>
<tr>
<td>• SD High Capacity (SDHC) card</td>
<td></td>
</tr>
</tbody>
</table>

Camera

Table 11. Camera specifications

<table>
<thead>
<tr>
<th>Resolution</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Still image: 2.0 megapixels</td>
<td></td>
</tr>
<tr>
<td>• Video: 1280 x 720 (HD) at 30 fps (maximum)</td>
<td></td>
</tr>
</tbody>
</table>

Diagonal viewing angle 74 degrees

VESPA wall mount

Table 12. VESA wall mount specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>VESA MIS-D, 100, C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole mount pattern</td>
<td>100 x 100 mm</td>
</tr>
<tr>
<td>Screw type</td>
<td>M4</td>
</tr>
<tr>
<td>Minimum clearance from wall</td>
<td>20 mm (0.79 in)</td>
</tr>
</tbody>
</table>

Power adapter

Table 13. Power adapter specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>90 W</th>
</tr>
</thead>
</table>
• 130 W

Temperature range:

<table>
<thead>
<tr>
<th>Type</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating</td>
<td>0°C to 40°C (32°F to 104°F)</td>
</tr>
<tr>
<td>Storage</td>
<td>−40°C to 70°C (−40°F to 158°F)</td>
</tr>
</tbody>
</table>

Input Voltage 100 VAC to 240 VAC

Input frequency 50 Hz to 60 Hz

Input current (maximum) 2.50 A

Output current (continuous) 4.62 A/6.70 A

Rated output voltage 19.50 VDC

Display

Table 14. Display specifications

<table>
<thead>
<tr>
<th>Type</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>23.8-inch FHD touchscreen</td>
</tr>
<tr>
<td></td>
<td>23.8-inch FHD non-touchscreen</td>
</tr>
</tbody>
</table>

Resolution (maximum) 1920 x 1080

Pixel pitch 0.2745 mm x 0.2745 mm

Refresh rate 60 Hz

Brightness can be controlled using the display-brightness increase/decrease buttons

Dimensions:

<table>
<thead>
<tr>
<th>Type</th>
<th>Measurement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>317.40 mm</td>
<td>12.50 in</td>
</tr>
<tr>
<td>Width</td>
<td>543 mm</td>
<td>21.38 in</td>
</tr>
<tr>
<td>Diagonal</td>
<td>604.52 mm</td>
<td>23.80 in</td>
</tr>
</tbody>
</table>
Video

Table 15. Video specifications

Controller:
- Integrated: Intel HD Graphics 530
- Discrete: Nvidia GeForce 930M

Memory:
- Integrated: Shared system memory
- Discrete: 4 GB GDDR3

Stand

Table 16. Stand

<table>
<thead>
<tr>
<th></th>
<th>Pedestal</th>
<th>Articulating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>215.20 mm (8.47 in)</td>
<td>205.28 mm (8.08 in)</td>
</tr>
<tr>
<td>Width</td>
<td>225.42 mm (8.87 in)</td>
<td>250 mm (9.84 in)</td>
</tr>
<tr>
<td>Depth</td>
<td>205.60 mm (8.09 in)</td>
<td>226.46 mm (8.92 in)</td>
</tr>
</tbody>
</table>

Computer environment

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

Table 17. Computer environment

<table>
<thead>
<tr>
<th></th>
<th>Operating</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature range</td>
<td>0°C to 35°C</td>
<td>–40°C to 65°C</td>
</tr>
<tr>
<td></td>
<td>(32°F to 95°F)</td>
<td>(–40°F to 149°F)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>10% to 90%</td>
<td>0% to 95%</td>
</tr>
<tr>
<td>(maximum)</td>
<td>(non-condensing)</td>
<td>(non-condensing)</td>
</tr>
<tr>
<td>Vibration (maximum)*</td>
<td>0.66 GRMS</td>
<td>1.30 GRMS</td>
</tr>
<tr>
<td>Shock (maximum)</td>
<td>110 G†</td>
<td>160 G‡</td>
</tr>
<tr>
<td></td>
<td>Operating</td>
<td>Storage</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Altitude (maximum)</td>
<td>–15.2 m to 3048 m</td>
<td>–15.2 m to 10,668 m</td>
</tr>
<tr>
<td></td>
<td>(–50 ft to 10,000 ft)</td>
<td>(–50 ft to 35,000 ft)</td>
</tr>
</tbody>
</table>

* Measured using a random vibration spectrum that simulates user environment.
† Measured using a 2 ms half-sine pulse when the hard drive is in use.
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.
Getting help and contacting Dell

Self-help resources

You can get information and help on Dell products and services using these self-help resources:

Table 18. Self-help resources

| Information about Dell products and services | www.dell.com |
| Dell Help & Support app | |
| Get started app | |

Accessing help

In Windows search, type Help and Support, and press Enter.

Online help for operating system

www.dell.com/support/windows
www.dell.com/support/linux

Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.

www.dell.com/support

Dell knowledge base articles for a variety of computer concerns.

1 Go to www.dell.com/support.
2 At the top-right corner, type the subject or keyword in the Search box.
3 Click Search to retrieve the related articles.

Learn and know the following information about your product:

- Product specifications

See Me and My Dell at www.dell.com/support/manuals.
• Operating system
• Setting up and using your product
• Data backup
• Troubleshooting and diagnostics
• Factory and system restore
• BIOS information

To locate the *Me and My Dell* relevant to your product, identify your product through one of the following:

• Select **Detect Product**.
• Locate your product through the drop-down menu under **View Products**.
• Enter the **Service Tag number** or **Product ID** into the search bar.

**Contacting Dell**

To contact Dell for sales, technical support, or customer service issues, see [www.dell.com/contactdell](http://www.dell.com/contactdell).

⚠️ **NOTE:** Availability varies by country and product, and some services may not be available in your country.

⚠️ **NOTE:** If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.