

[Manuals.plus](#) /

› [ist computers](#) /

› Dell Latitude 5450 5000 Business Laptop User Manual

ist computers Latitude 5450

Dell Latitude 5450 Business Laptop User Manual

Model: Latitude 5450

Brand: ist computers

1. PRODUCT OVERVIEW

The Dell Latitude 5450 is a mainstream 14-inch AI-ready business laptop designed for professionals. Weighing only 3.09 lbs, it features an Intel Core Ultra 5 125U processor with 12 cores, capable of up to 4.3 GHz, and integrated Intel graphics for efficient multitasking and AI workloads. It offers extended battery life with Express Charge, 32GB DDR5 RAM, and a 1TB PCIe NVMe SSD, all within a compact and portable design.



Figure 1: Dell Latitude 5450 Business Laptop, front view, showcasing the display with product branding and key specifications.

2. WHAT'S IN THE BOX

Your Dell Latitude 5450 package includes the following items:

- Dell Latitude 5450 Business Laptop
- 65W AC Adapter with Power Cord
- User Manual

3. INITIAL SETUP

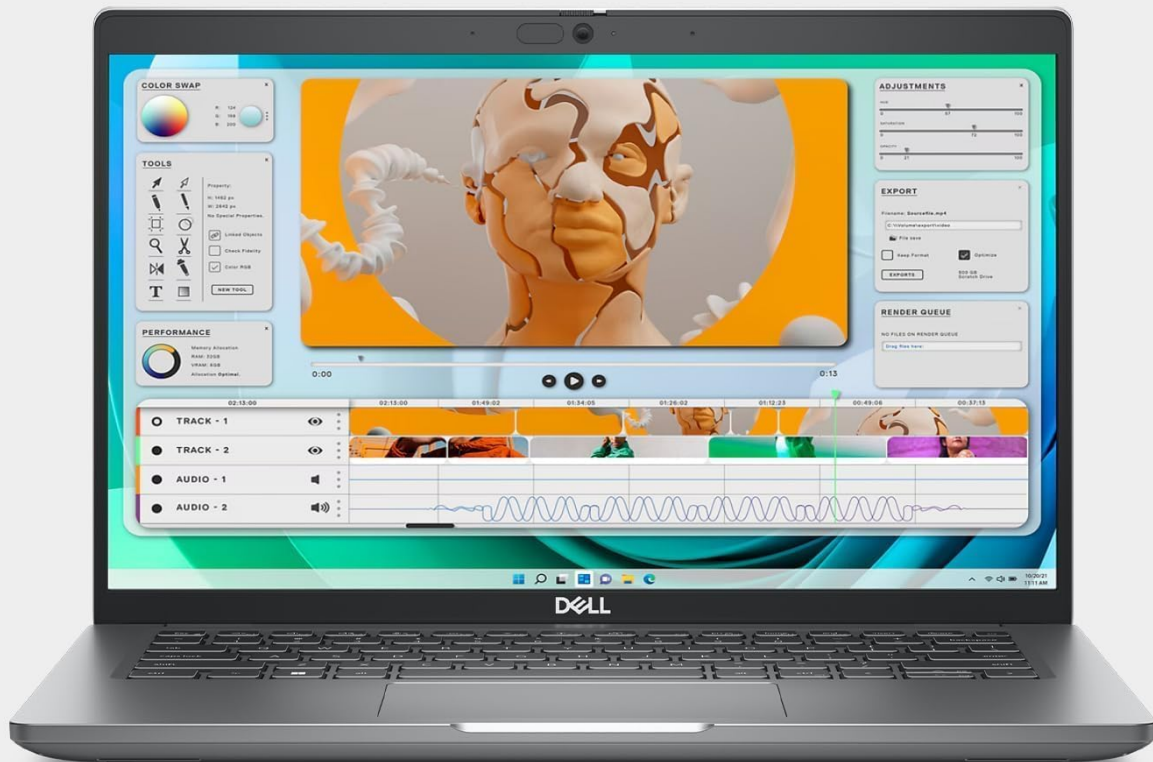
Follow these steps to set up your new Dell Latitude 5450 laptop for the first time:

1. **Unpack the Laptop:** Carefully remove the laptop and all accessories from the packaging.
2. **Connect Power:** Plug the 65W AC adapter into a power outlet and then connect the power cord to the laptop's power port.
3. **Power On:** Open the laptop lid and press the power button, typically located on the top-right of the keyboard.
4. **Initial Configuration:** Follow the on-screen instructions to complete the Windows 11 Pro setup, including language selection, network connection, and user account creation.

4. OPERATING YOUR LAPTOP

4.1 Display and Visuals

The Dell Latitude 5450 features a 14-inch Full HD (1920 x 1080) IPS Anti-Glare display, providing vibrant and detailed visuals. The anti-glare coating helps reduce reflections for comfortable viewing in various lighting conditions.



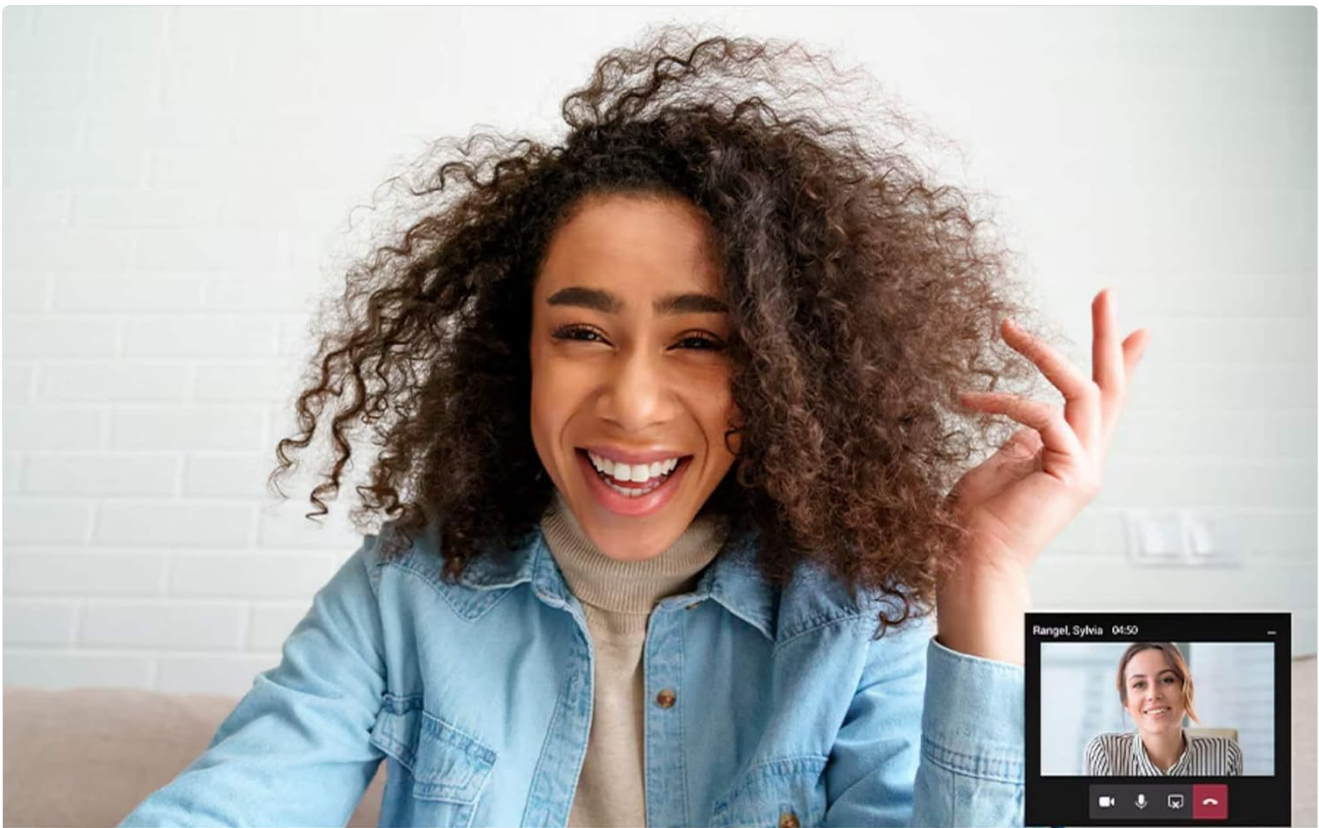
Visually stunning

Display options including FHD as well as a battery saving and ComfortView Plus option to maximize performance and keep your eyes comfortable.

Figure 2: The laptop display showcasing a visually rich application, highlighting the vibrant visuals.

4.2 Communication and Webcam

Equipped with a 1080p HDR RGB webcam, the Latitude 5450 ensures crisp video calls with enhanced clarity. Intelligent webcam and audio features work to reduce background noise, providing clear communication even in low-light environments.



Clearer Communication

Look and sound your best on video calls with a high-resolution 1080p FHD HDR webcam. Intelligent webcam and audio reduce background noise and show crisp detail even in low light.

Figure 3: A user engaging in a video conference, demonstrating the clarity of the 1080p HDR RGB webcam.

4.3 Performance and AI Capabilities

The laptop is powered by an Intel Core Ultra 5 125U processor, featuring a dedicated Neural Processing Unit (NPU) for AI tasks. This NPU significantly improves power efficiency, extends battery life, reduces heat, minimizes fan noise, and enhances security through on-device AI processing. The integrated Intel graphics further support multitasking and AI efficiency.



Intel AI Boost NPU

Dedicated NPU for AI tasks on device means greatly improved power efficiency, increased battery life, less heat, less fan noise and more security with on-device AI.

Figure 4: The laptop screen showing content related to AI processing, illustrating the Intel AI Boost NPU capabilities. The Dell Latitude 5450 comes with Windows 11 Pro 64-bit and includes AI-powered Copilot. With a dedicated Windows Copilot Key, you gain instant access to this personal AI assistant, ideal for professionals, small businesses, and programmers for remote work, content creation, and video conferencing.

I/O Ports

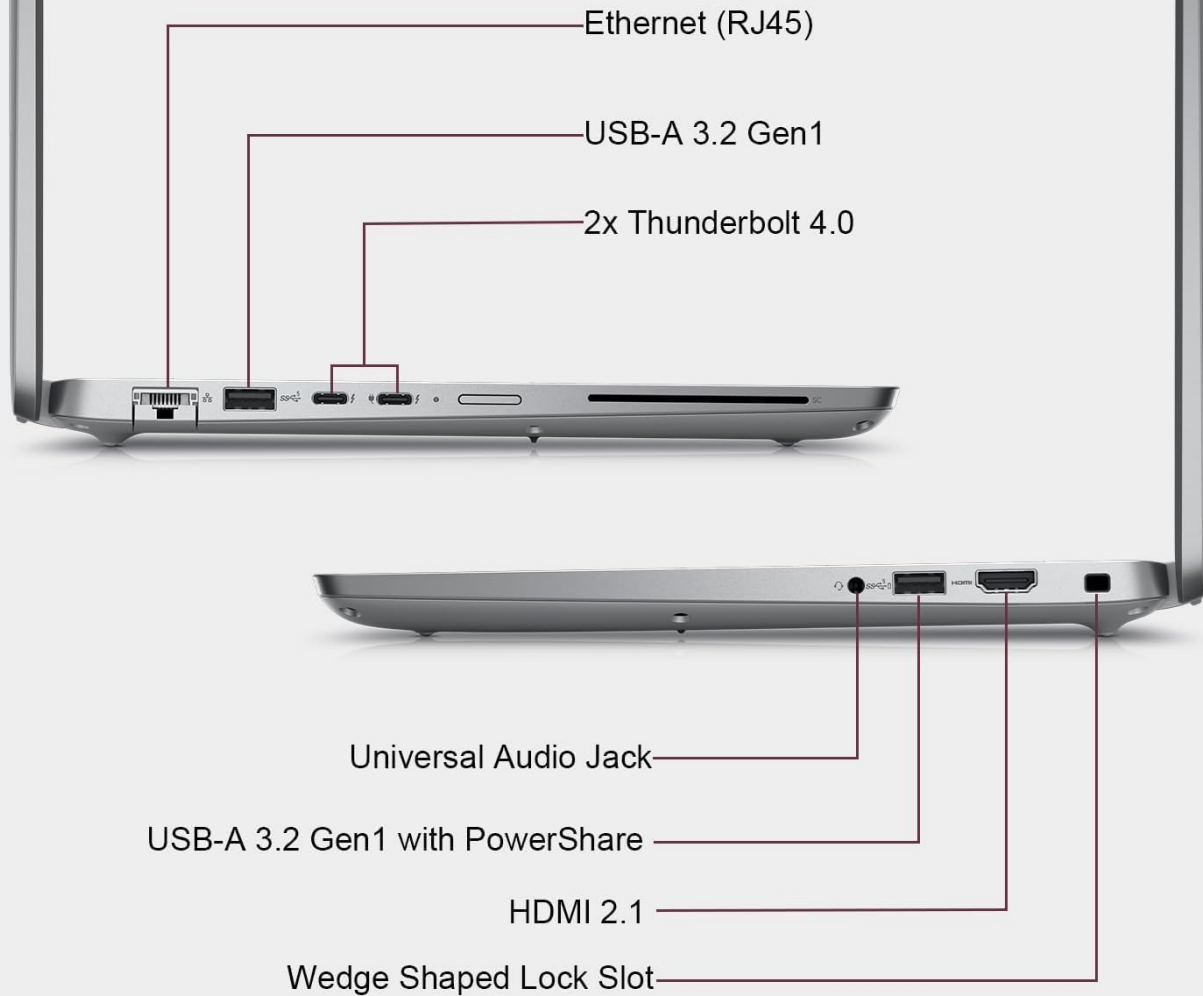
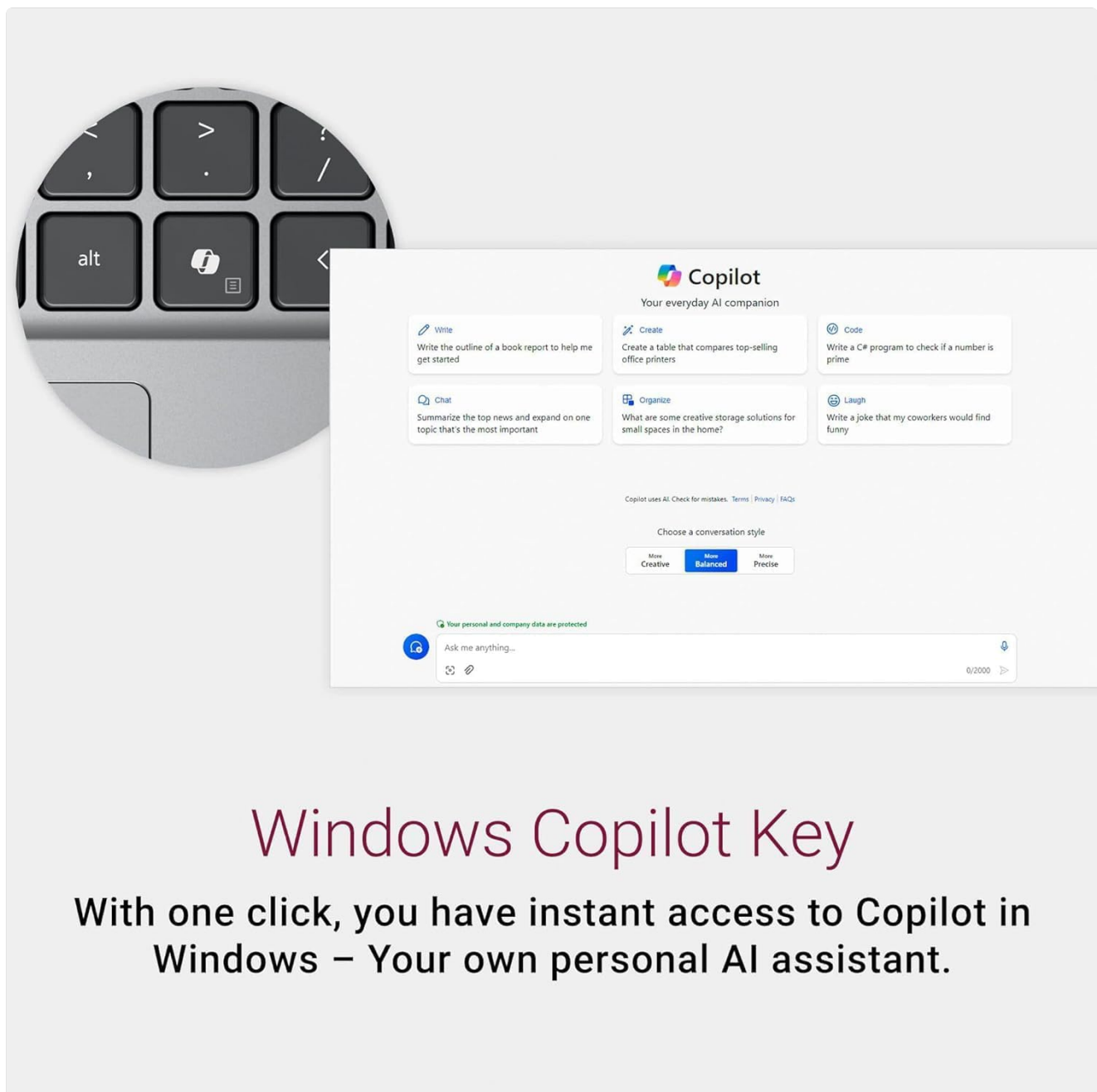


Figure 5: A close-up of the keyboard highlighting the Windows Copilot Key, with the Copilot interface visible on the screen.

4.4 Connectivity

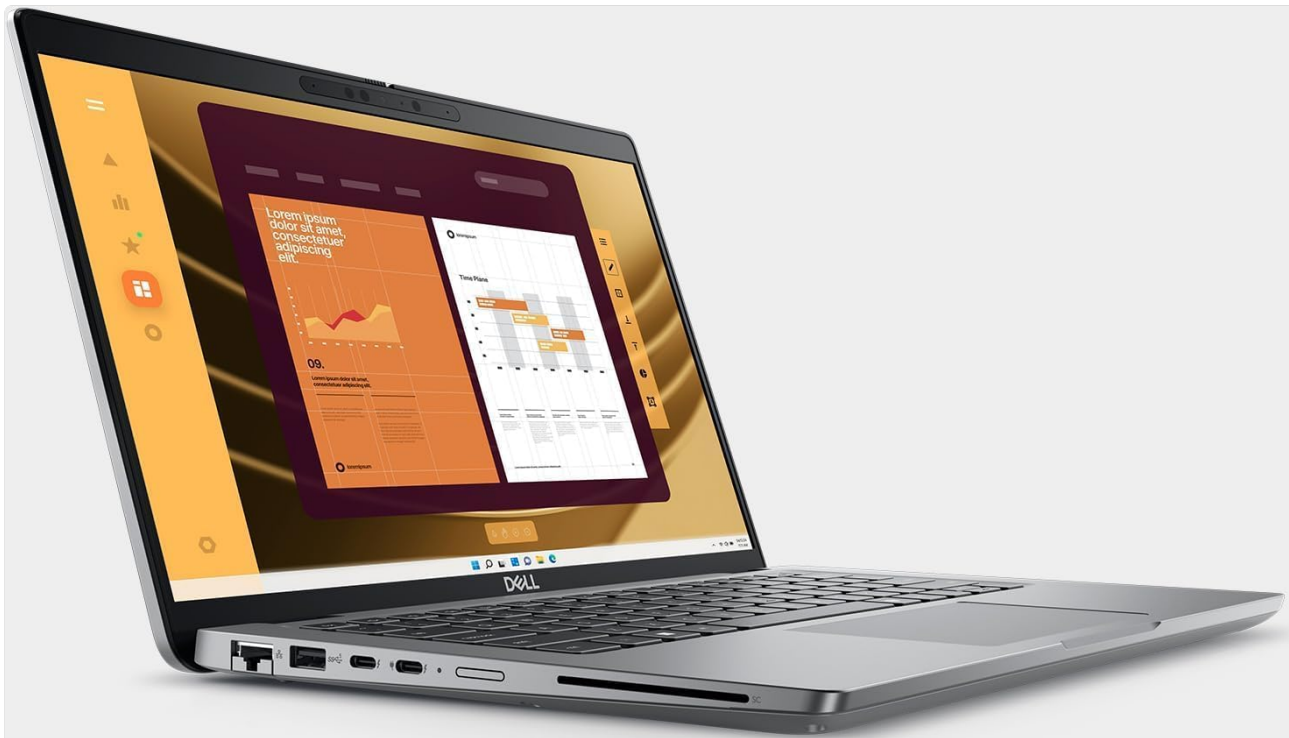
Stay connected with a comprehensive set of ports and wireless options. The laptop features 2 x Thunderbolt 4 ports, 2 x USB 3.2 Gen 1 ports (one with PowerShare), HDMI 2.1, Ethernet (RJ45), and a headphone/mic combo jack. For wireless connectivity, it supports Intel Wi-Fi 6E and Bluetooth 5.3, ensuring fast and seamless connections. The backlit keyboard allows for comfortable use in various lighting conditions.



Windows Copilot Key

With one click, you have instant access to Copilot in Windows – Your own personal AI assistant.

Figure 6: Diagram illustrating the various input/output ports available on the Dell Latitude 5450.



Productivity anywhere

Available Wi-Fi 6E and Bluetooth 5.3 ensure you're always connected at the industry's fastest speeds. Network Optimization joins the best available network, prioritizes conferencing apps and delivers fast data and video downloads.

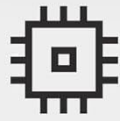
Figure 7: A user working on the laptop, demonstrating its portability and connectivity for productivity anywhere.

5. TECHNICAL SPECIFICATIONS

Below are the detailed technical specifications for the Dell Latitude 5450:

Feature	Specification
Standing screen display size	14 Inches
Screen Resolution	1920 x 1080 pixels
Max Screen Resolution	1920x1080 Pixels
Processor	1.3 GHz core_i5_family (Intel Core Ultra 5 125U)
RAM	32GB DDR5
Memory Speed	4800 MHz

Hard Drive	1 TB SSD (PCIe NVMe)
Graphics Coprocessor	Integrated Intel graphics
Chipset Brand	Others
Card Description	Integrated
Wireless Type	Bluetooth, 802.11ax (Wi-Fi 6E)
Number of USB 3.0 Ports	2
Average Battery Life (in hours)	13 Hours
Operating System	Windows 11 Pro
Item Weight	3.09 pounds
Product Dimensions	12.65 x 8.35 x 0.75 inches
Color	Silver
Number of Processors	12
Special Feature	HD Audio, Lightweight, Backlit Keyboard, 1080p HDR RGB Webcam, Anti Glare Coating



Intel Core
Ultra 5 135U
Processor



1TB M.2 PCIe
NVMe SSD



32GB 4800MHz
DDR5 Memory



Integrated Intel
graphics

Figure 8: Visual summary of core technical specifications including processor, storage, memory, and graphics.

6. DIMENSIONS AND WEIGHT

The physical dimensions and weight of the Dell Latitude 5450 are as follows:

Depth: 8.35 in. (212.00 mm)

Width: 12.65 in. (321.35 mm)

Height (Front): 0.75 in. (19.06 mm)

Height (Rear): 0.83 in. (21.04 mm)

Starting Weight: 3.09 lb. (1.40 kg)



Dimensions & Weight

- | | |
|--|-------------------------------------|
| 1. Depth: 8.35 in. (212.00 mm) | Starting Weight: 3.09 lb. (1.40 kg) |
| 2. Width: 12.65 in. (321.35 mm) | |
| 3. Height (Front): 0.75 in. (19.06 mm) | |
| (Rear): 0.83 in (21.04 mm) | |

Figure 9: Diagram illustrating the depth, width, and height measurements, along with the starting weight of the laptop.

7. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Dell Latitude 5450, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and exterior. For stubborn smudges, dampen the cloth slightly with water or a screen-safe cleaner. Avoid harsh chemicals.
- **Ventilation:** Ensure the laptop's vents are clear of obstructions to prevent overheating. Avoid using the laptop on soft surfaces like beds or couches that can block airflow.
- **Battery Care:** For optimal battery health, avoid consistently draining the battery to 0% or keeping it at 100% for extended periods. Periodically allow the battery to discharge and recharge.
- **Software Updates:** Regularly update your operating system and drivers to ensure security and performance improvements.
- **Data Backup:** Periodically back up important data to an external drive or cloud storage to prevent data loss.

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Dell Latitude 5450:

- **Laptop Not Turning On:** Ensure the AC adapter is securely connected and the power outlet is working. Try holding the power button for 15-20 seconds to perform a hard reset.
- **No Display:** If the laptop powers on but the screen remains black, try connecting an external monitor to check if the display output is working. Restart the laptop.
- **Slow Performance:** Check for excessive background applications, ensure sufficient free storage space, and run a virus scan. Consider updating drivers or performing a system restore if the issue persists.
- **Wi-Fi Connectivity Issues:** Ensure Wi-Fi is enabled in Windows settings. Restart your router and the laptop. Update your wireless adapter drivers.
- **Overheating:** Ensure vents are clear and the laptop is on a hard, flat surface. Consider using a cooling pad if necessary.

9. WARRANTY AND SUPPORT

The Dell Latitude 5450 comes with a warranty from Issaquah Highlands Tech on upgraded memory/SSD for three years. The remaining components are covered by a one-year warranty from Dell. For warranty claims or technical support, please refer to the contact information provided with your purchase documentation or visit the official Dell support website.

For additional assistance, you may also visit the [ist computers Store on Amazon](#).