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› Dell 16 Laptop User Manual - AMD Ryzen AI 5 340, 16GB RAM, 512GB SSD

Dell DB16255

Dell 16 Laptop User Manual

Model: DB16255

INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Dell 16 laptop, Model DB16255. Please read this guide thoroughly to ensure proper use and longevity of your device.



Image: Dell 16 Laptop in Ice Blue, shown closed.

SETUP

Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Verify that all components listed in the "What's in the Box" section are present and undamaged.

- Laptop
- Power Cable
- Documents

Connecting the Power Adapter

Connect the 65W Type-C power adapter to a power outlet and then to one of the USB 3.2 Gen 2 Type-C ports on your laptop. The laptop will begin charging. It is recommended to fully charge the battery before initial use.



Image: Dell 16 Laptop connected to its power adapter.

First Power On and Operating System Setup

Press the power button to turn on your laptop. Follow the on-screen instructions to complete the Windows 11 Home setup. This includes setting up your user account, network connection, and other initial preferences. Your laptop comes pre-installed with Windows 11 Home and MS Office Home and Student 2024.

OPERATING YOUR LAPTOP

Keyboard and Input Devices

The laptop features a backlit keyboard for comfortable typing in various lighting conditions. A fingerprint reader is integrated for secure and convenient login.



Hardware TPM 2.0 security chip



Create & Stores
passwords/encryption keys



Verifies PC not
being tampered



Protects data against
external software attacks

Image: Close-up of the Dell 16 Laptop's keyboard and display.

Display Features

Your Dell 16 laptop is equipped with a 16.0-inch FHD+ (1920x1200) Anti-Glare WVA/IPS display with 300 nits brightness. The ComfortView technology reduces harmful blue light emissions for extended viewing comfort.



A Stunning Front of Screen Experience

**Featuring a large 16-inch screen
with FHD+ panel.**

Image: Dell ComfortView logo, indicating blue light reduction technology.

AI Capabilities

The AMD Ryzen AI 5 340 processor enables enhanced on-device AI experiences, including features like Copilot+ and Cocreator, designed to improve productivity and creative workflows.

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Dell continues to be
**India's Most
Trusted Brand***

For 6 Years Running

*TRA'S Brand Trust Report, India Study 2025

Image: A user engaging with the Dell laptop, illustrating AI-powered experiences.

Connectivity

The laptop offers various ports for connecting external devices:

- **(2) USB 3.2 Gen 2 Type-C:** Supports DisplayPort and Power Delivery.
- **(1) USB 3.2 Gen 1 Type-A:** Standard USB port for peripherals.
- **(1) HDMI 1.4:** For connecting to external displays.
- **(1) Global Headset Jack:** For audio input/output.

Wireless connectivity includes MediaTek Wi-Fi 7 MT7925 and Bluetooth wireless card (802.11be, MU-MIMO 2x2).

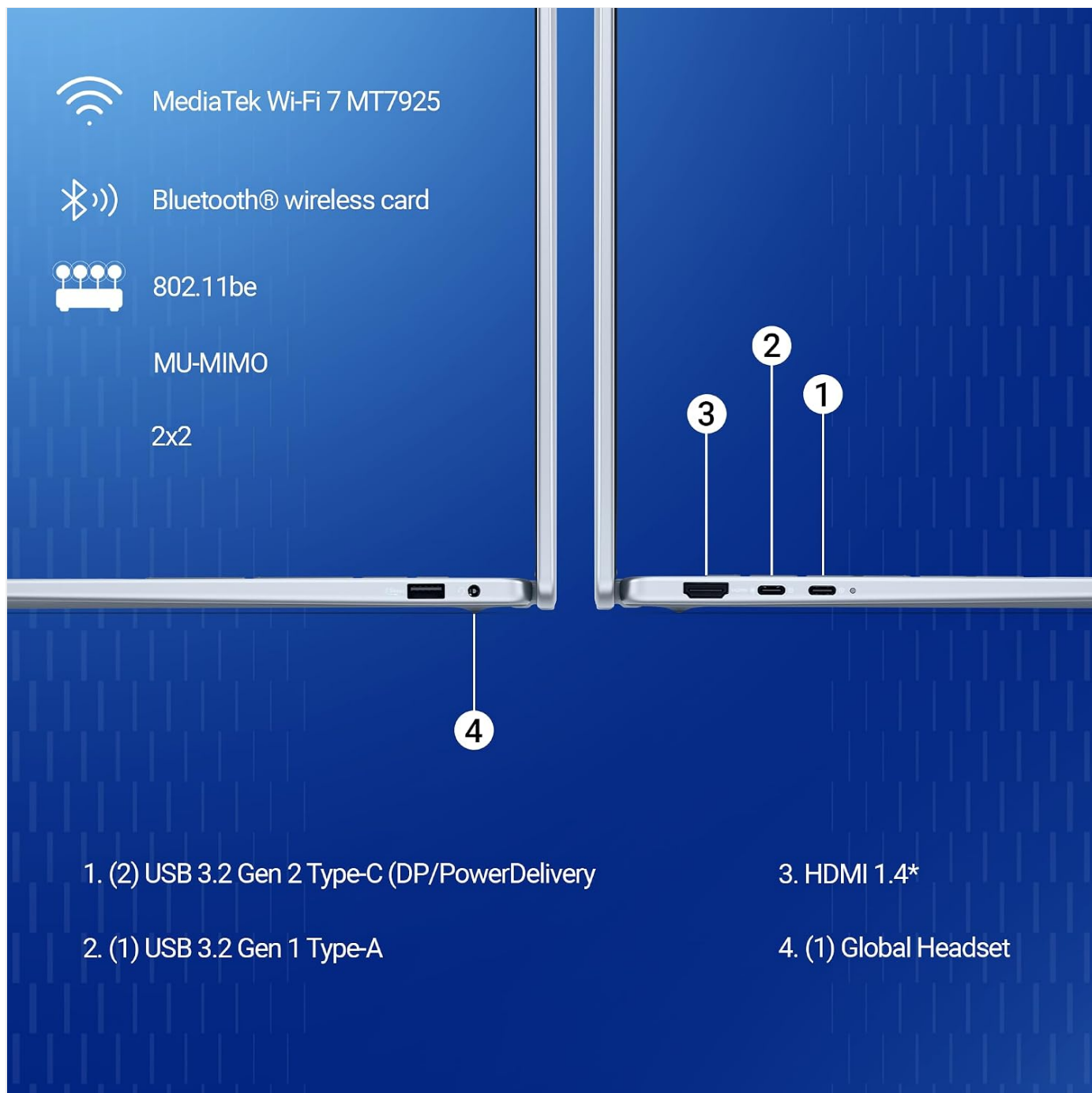


Image: Diagram illustrating the various ports on the Dell 16 Laptop.

MAINTENANCE

General Care and Cleaning

To maintain your laptop's performance and appearance, regularly clean the screen with a microfiber cloth and a screen-safe cleaner. Use compressed air to clear dust from keyboard keys and vents. Avoid exposing the laptop to extreme temperatures, direct sunlight, or liquids.

Battery Care

The laptop is equipped with a 4-Cell, 64Whr battery. For optimal battery life, avoid frequently discharging the battery completely. Store the laptop in a cool, dry place when not in use for extended periods.

Software Updates

Regularly update your Windows 11 operating system and pre-installed software like MS Office Home and Student 2024 to

ensure optimal performance, security, and access to the latest features. McAfee Multi Device Security is included for 12 months to protect against malware and other threats.

Security Features

Your laptop includes a hardware TPM 2.0 security chip. This chip helps create and store passwords and encryption keys, verifies the PC's integrity, and protects data against external software attacks.



Incredible on device AI experiences

with Copilot+ like Cocreator to enhance
creative projects and advanced productivity.

Image: Diagram illustrating the functions of the TPM 2.0 hardware security chip.

TROUBLESHOOTING

This section provides solutions for common issues you might encounter. For more complex problems, refer to the Dell support website or contact technical support.

Power Issues

- **Laptop does not turn on:** Ensure the power adapter is securely connected and the battery has sufficient charge.

Try a different power outlet.

- **Battery not charging:** Verify the power adapter is functioning correctly. Check the Type-C port for debris.

Display Issues

- **No display:** Connect an external monitor via HDMI to check if the issue is with the laptop's internal display. Restart the laptop.
- **Flickering screen:** Update graphics drivers. Adjust display refresh rate in Windows settings.

Connectivity Problems

- **Wi-Fi not connecting:** Ensure Wi-Fi is enabled. Restart your router and laptop. Check network settings in Windows.
- **Bluetooth device not pairing:** Ensure Bluetooth is enabled on both devices. Place devices close to each other.

SPECIFICATIONS

DB16255

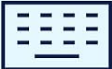
 R5-340 AI	16GB LPDDR5X	 16.0" 16:10 FHD+ AG NT 300nits WVA/IPS Display with ComfortView
 AMD Radeon™ Graphics	512GB SSD Storage	
 Windows 11		 Office Home & Student 2024 Pre-Installed
 1 Year Onsite Hardware Service	 4-Cell Battery, 64WHr	 Backlit Keyboard + Fingerprint Reader
	 65W Type-C Adapter	 1.83 Kgs

Image: Visual summary of key specifications for the Dell 16 Laptop (Model DB16255).

Model Name	DB16255
Processor	AMD Ryzen AI 5 340 (6-core/12-thread, up to 4.80GHz, 16MB Cache)
RAM	16GB LPDDR5X, 7500MT/s
Storage	512GB SSD
Display	16.0" FHD+ (1920x1200), 16:10, Anti-Glare, 300 nits, WVA/IPS, ComfortView
Graphics	AMD Radeon Graphics (Integrated)
Operating System	Windows 11 Home (Pre-Loaded)
Pre-installed Software	MS Office Home and Student 2024, McAfee Multi Device Security (12-month)
Ports	(2) USB 3.2 Gen 2 Type-C (DP/PowerDelivery), (1) USB 3.2 Gen 1 Type-A, (1) HDMI 1.4, (1) Global Headset
Keyboard	Backlit Keyboard + Fingerprint Reader
Wireless Connectivity	MediaTek Wi-Fi 7 MT7925, Bluetooth (802.11be, MU-MIMO 2x2)
Battery	4-Cell, 64WHr
Power Adapter	65W Type-C
Weight	1.83 Kg
Color	Ice Blue
Country of Origin	China
Durability	Passed MIL-810H certification

Military Grade Testing

Passed MIL-810H** certification



**Based on testing and certification to MIL-STD-810H standards, performed and reported independently by accredited testing companies, November 2021. Actual results may vary; testing results do not guarantee performance under test conditions. Dell does not represent that this product meets United States Department of Defense requirements for military use.

Image: Dell 16 Laptop displaying MIL-810H certification for durability.

WARRANTY INFORMATION

Your Dell 16 laptop comes with a 1-year limited hardware warranty. This includes 1 Year Onsite Hardware Service. For detailed terms and conditions, please refer to the warranty documentation included with your product or visit the official Dell support website.

SUPPORT

For technical assistance, product inquiries, or service requests, please contact Dell Support using the following methods:



Image: Dell Technical Support contact details, including phone numbers and online resources.

Basic Support Toll-free: 1800-420-0088 / 1800-570-8045

Chat Support: www.dell.com/support

Carry-in Service Centers: www.dell.com/support/home/en-in/servicecenter

WhatsApp Support: +91 910-888-3355

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question