HUAWEI MateBook D 16 Product Description (MitchellG)



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1 Change History

Version	SE	Description	Release Date
01	wangxinlong 00521033	Frist release	2023-09-20

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2 Product Overview

2.1 Product Appearance

The HUAWEI MateBook D 16 (MateBook D 16 for short) is a lightweight, high-performance 16-inch laptop with a vast display and 13th Gen Intel® (Raptor Lake) Core™ Processor.

With its sleek metallic finish, the MateBook D 16 is both premium and portable for daily life.

The MateBook D 16 features a 16-inch IPS screen with a 16:10 golden aspect ratio, 100% sRGB (typical value) color gamut or 45% NTSC (typical value) color gamut, and about 90% screen-to-body ratio. It supports Super Device and 4K HD video playback, and comes with a 720P AI Wide-angle Camera, making it an ideal companion for all your work, study, and entertainment needs.

The images below show the external appearance of the MateBook D 16. Colors: Space Gray.



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2.2 Model Specifications

The MateBook D 16 is available in several models. The table below lists the specifications for each model.

PBI	Product model	Processor	Screen color	Main body weight	Keyboard backlight	Battery capacity	Memory Capacity (RAM)	SSD capacity	Graphics	Color
MitchellG-W5611D	MCLG-X	13th Gen Intel® Core™ i5-13420H Processor	45% NTSC (typical value)	Approx. 1.7 kg (including battery)	Not supported	56Wh	16GB	1TB	Intel® UHD Graphics	Space Gray
MitchellG-W9611		13th Gen Intel® Core™ i9-13900H Processor	100% sRGB (typical value)	Approx. 1.73 kg (including battery)	Supported	70Wh	16GB	1TB	Intel® Iris® Xᵉ Graphics	Space Gray

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3 Overview of Features

3.1 Aesthetic Design

- Metallic body and crafted form
- 16-inch IPS screen with a 1920 x 1200 resolution, 100% sRGB (typical value) color gamut or 45% NTSC (typical value) color gamut, and 300-nit brightness (typical value)
- Lightweight (approx. 1.7 kg) and thin (18 mm)
- 16:10 aspect ratio, 3.7 mm narrow bezels on the left and right, and about 90% screen-to-body ratio

3.2 Innovative Technologies

- Independent numeric keypad and 1.5 mm high key travel
- 720P AI Wide-angle Camera, for clearer video chats
- HUAWEI Metaline Antenna, for faster and more stable network connections
- 65 W USB-C power adapter, compatible with laptops and phones that have USB-C ports

3.3 Smart Experience

- The all-new Super Device feature facilitates seamless collaboration between the laptop and other devices, including computers, phones, tablets, monitors, and Vision devices. On the Super Device screen, you can connect the laptop to another device with just a drag, turning a tablet into a sketchpad or secondary display, using the vast laptop display to navigate on your phone, or pairing the laptop with a monitor to expand your horizons. AI Search and Multi-Device Files make it easy to view and search for files on your phone or tablet from the convenience of the laptop screen.

NOTE

The Super Device feature is only supported on certain Huawei phones. For details about how to use this feature and supported models, please visit: https://consumer.huawei.com/cn/smart-office/ .

- Comes with a Fingerprint Power Button offers secure, one-press power on and log in.
- Comes pre-installed with HUAWEI PC Manager, which provides a wide range of smart services, including hardware checks, driver updates, power consumption management, and 24/7 hotline services.

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4 Hardware Configuration

Screen	• Size: 16 inches • Type: IPS • Resolution: 1920 x 1200 pixels, 142 pixels per inch (PPI) • Aspect ratio: 16 : 10 • Color gamut: 100% sRGB (typical value) or 45% NTSC (typical value) • Contrast ratio: 1200 : 1 (typical value) • Brightness: 300 nits (typical value) • DC dimming • Obtained the TÜV Rheinland Low Blue Light (Hardware Solution) Certification (High color gamut support)
Appearance	• Dimensions (W x D x H): 356.7 mm × 248.7 mm × 18 mm (17 mm at the thinnest point) • Weight: Approx. 1.7 kg • Colors: Space Gray
Processor	• 13th Gen Intel ® Core™ i5-13420H Processor • 13th Gen Intel ® Core™ i9-13900H Processor
Graphics	Intel® Iris® X^{e} Graphics/Intel® UHD Graphics
Memory	16GB LPDDR4x
Storage	1TB PCIe SSD
Button and ports	• Fingerprint Power Button • All-purpose USB-C port x 1 (supporting data transmission, charging, and DisplayPort) • USB-A (USB 2.0) port x 1 • USB-A (USB 3.2 Gen 1) port x 1 • HDMI 1.4 port x 1 • 3.5 mm headphone/microphone combo audio jack x 1
Camera	720P Wide-angle Camera
Audio	Digital microphone x 2, speaker x 2
Sensors	Fingerprint sensor and Hall sensor

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Battery	• Material: Lithium polymer • Capacity: 56 Wh/70 Wh (rated capacity)
Power adapter	65 W USB-C Power Adapter • Input: 100–240 V AC, 50 Hz/60 Hz • Output: 20 V/3.25 A, 15 V/3 A, 12 V/2 A, 9 V/2 A, 5 V/2 A
Temperature	• Charging temperature: 0°C to 40°C (32°F to 104°F) • Operating temperature: 0°C to 35°C (32°F to 95°F) • Storage temperature: –10°C to +45°C (14°F to 113°F)
Operating humidity	5% to 95% (non-condensing)
Other	• Charging indicator • Camera indicator

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5 Wireless Specifications

WLAN	• Standard: IEEE 802.11 a/b/g/n/ac/ax • Frequency bands: 2.4 GHz and 5 GHz • Antenna: 2 x 2 MIMO • Encryption mode: WPA/WPA2/WPA3
Bluetooth	Bluetooth 5.1

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6 Software Specifications

Operating system	Windows 11 Home (64-bit)
Input method	Microsoft input method
Browser	Microsoft Edge (default browser)
Featured apps	• Super Device • HUAWEI PC Manager • Display settings (Eye Comfort mode) • Huawei one-key recovery (F10)
Third-party apps	• Pre-installed Microsoft Office 365 Personal. • Third-party apps can be installed and uninstalled in accordance with local strategies.
Updates	• Local updates: Via USB flash drive • Online updates: - Online updates via Microsoft Windows Update solution - Driver updates via PC Manager

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7 List of Accessories

7.1 Standard Accessories

No.	Item	Quantity	Description
1	65 W USB-C Power Adapter	1	Standard
2	Quick Start Guide	1	Standard

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