

Change History

Version	SE	Description	Release Date
01	guohui 00287086	Initial release.	2022-03-23

Product Overview

The HUAWEI MateBook D 16 (MateBook D 16 for short) is a lightweight, high-performance 16-inch laptop with a vast display and 12th Gen Intel® (Alder Lake) Core™ i7-12700H/i5-12500H/i5-12450H 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) wide color gamut, and about 90% screen-to-body ratio. It supports Super Device and 4K HD video playback, and comes with a 1080P 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



65 W USB-C Mini Power Adapter (standard):



HUAWEI MateDock 2 Docking Station (optional):




HUAWEI Bluetooth Mouse (optional):



HUAWEI Backpack Swift (optional):



 Images are for reference only.

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

Model	Processor	Memory	Storage (SSD)	Graphics	Touchscreen
RLEF-X	12th Gen Intel® Core™ i7-12700H Processor	16 GB	512 GB	Intel® Iris® Xe Graphics	Not supported

🗨 The table above lists the specifications for models in and outside the Chinese mainland. Actual configuration may vary.

Overview of Features

Aesthetic Design

- Metallic body and crafted form
- 16-inch IPS screen with a 1920 x 1200 resolution, 100% sRGB color gamut (typical value), and 300-nit brightness (typical value)
- Lightweight (approx. 1.7 kg) and thin (18.4 mm)
- 16:10 aspect ratio, 4.6 mm narrow bezels on the left and right, and about 90% screen-to-body ratio

Innovative Technologies

- Independent numeric keypad and 1.5 mm high key travel
- 1080P AI Wide-angle Camera, for clearer video chats
- HUAWEI Metaline Antenna, for faster and more stable network connections
- 65 W USB-C mini power adapter, compatible with laptops and phones that have USB-C ports

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.

💬 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/en/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

Hardware Configuration

Screen	<ul style="list-style-type: none"> • Size: 16 inches • Type: IPS • Resolution: 1920 x 1200 pixels, 141 pixels per inch (PPI) • Aspect ratio: 16:10 • Color gamut: 100% sRGB (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
Appearance	<ul style="list-style-type: none"> • Dimensions (W x D x H): 356.7 mm x 248.7 mm x 18.4 mm • Weight: Approx. 1.7 kg • Colors: Space Gray and Mystic Silver
Processor	<ul style="list-style-type: none"> • 12th Gen Intel® Core™ i7-12700H Processor
Graphics	<ul style="list-style-type: none"> • Intel® UHD Graphics • Intel® Iris® X^e Graphics
Memory	16 GB LPDDR4x
Storage	512 GB PCIe SSD
Button and ports	<ul style="list-style-type: none"> • Fingerprint Power Button • USB-C power port x 1 (supporting data transmission and charging) • 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 2.0 port x 1 • 3.5 mm headphone/microphone combo audio jack x 1
WLAN	IEEE 802.11a/b/g/n/ac/ax, 2.4 GHz and 5 GHz, 2x2 MIMO
Bluetooth	Bluetooth 5.1
Camera	1080P AI Wide-angle Camera
Audio	Digital microphone x 4, speaker x 2
Sensors	Fingerprint sensor and Hall sensor
Battery	<ul style="list-style-type: none"> • Material: Lithium polymer • Capacity: 60 Wh (rated capacity)
Power adapter	65 W USB-C Mini Power Adapter <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Charging temperature: 0°C to 40°C (32°F to 104°F) • Operating temperature: 0°C to 35°C (32°F to 95°F)

	<ul style="list-style-type: none"> Storage temperature: –10°C to +45°C (14°F to 113°F)
Operating humidity	5% to 95% (non-condensing)
Other	<ul style="list-style-type: none"> Charging indicator Camera indicator

Wireless Specifications

WLAN	<ul style="list-style-type: none"> Standard: IEEE 802.11a/b/g/n/ac/ax Frequency bands: 2.4 GHz and 5 GHz Antenna: 2x2 MIMO Encryption mode: WPA/WPA2/WPA3
Bluetooth	Bluetooth 5.1

Software Specifications

Operating system	Windows 11 Home (64-bit)
Input method	Microsoft input method
Browser	Microsoft Edge (default browser)
Featured apps	<ul style="list-style-type: none"> Super Device HUAWEI PC Manager Display settings (Eye Comfort mode) Huawei one-key recovery (F10)
Third-party apps	<ul style="list-style-type: none"> Pre-installed Microsoft Office Home and Student 🗨️ Third-party apps can be installed and uninstalled in accordance with local strategies.
Updates	<ul style="list-style-type: none"> Local updates: Via USB flash drive Online updates: <ul style="list-style-type: none"> - Online updates via Microsoft Windows Update solution - Driver updates via PC Manager


List of Accessories

Standard accessories:

No.	Item	Quantity	Description
1	65 W USB-C Mini Power Adapter	1	Standard
2	Power Adapter Cable (USB-C)	1	Standard
3	Quick Start Guide	1	Standard
4	Warranty Card	1	Standard

Optional accessories:

No.	Item	Description
1	HUAWEI MateDock 2 Docking Station	Optional (packaged separately)
2	HUAWEI Bluetooth Mouse	Optional (packaged separately)
3	HUAWEI Backpack Swift	Optional (packaged separately)

 Optional accessories need to be purchased separately.

Acronyms/Abbreviations

AC	Alternating Current
DC	Direct Current
GPU	Graphic Processing Unit
HD	High-Definition
IEEE	Institute of Electrical and Electronics Engineers
PPI	Pixels Per Inch
USB	Universal Serial Bus
Wi-Fi	Wireless Fidelity

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