

# HUAWEI MateBook X Pro Product Description - (01, en\_us, MorganF)

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# 1 Change History

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Version	SE	Description	Release Date
01	Tan Jie (employee ID: 00403101)	Initial release.	2022-04-09

# 2 Product Overview

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The HUAWEI MateBook X Pro (MateBook X Pro for short) is an ultra-slim laptop that features a 14.2-inch HUAWEI FullView display and packs the 12th Gen Intel® Core™ P series mobile processor (i7-1260P).

The MateBook X Pro comes in a premium, metallic finish.

The MateBook X Pro Aluminum Alloy Edition is about 15.5 mm thick and weighs about 1.38 kg.

The MateBook X Pro Magnesium Alloy Edition is about 15.6 mm thick and weighs about 1.26 kg.

The MateBook X Pro adopts a 3.1K HUAWEI Real Color FullView Display (the Magnesium Alloy Edition supports magnetically-controlled nano optical layer), which features a 92.5% screen-to-body ratio, 3120 x 2080 resolution, P3 wide color gamut,  $\Delta E < 1$  color accuracy, up to 90 Hz refresh rate, 178-degree viewing angle, 1500:1 contrast ratio, touch controls, 500-nit (typical value) brightness, and a staggering 1.07 billion colors. The laptop comes equipped with a 720P HD front camera, and supports 4K HD video playback, making it the ideal companion for all your work, study, and entertainment needs.

The MateBook X Pro comes in the following color: Space Gray, as shown below:



The MateBook X Pro Premium Edition comes in the following color: Ink Blue, as shown below:



- Images are for reference only.

90 W USB-C Power Adapter (standard in regions where Chinese/British/European standards are used):



65 W USB-C Mini Power Adapter (standard in regions where American/Japanese standards are used):



HUAWEI Type-C OTG Cable (standard):



HUAWEI MateDock 2 Docking Station (optional):



HUAWEI MateDock 3 Docking Station (optional):







HUAWEI Bluetooth Mouse (optional):



HUAWEI Classic Backpack (optional):



HUAWEI Backpack (optional):



- Images are for reference only.

The MateBook X Pro is available in several models. The following table lists the specifications for each model.

PBI Model	Certified Model	Processor	Memory	Storage (SSD)	Graphics	Touchscreen
MorganF-W7611T	MRGF-X (outside the Chinese mainland)	12th Gen Intel® Core™ i7-1260P Processor	16 GB	1 TB	Intel® Iris® Xe Graphics	Supported
MorganF-W7611T1	MRGF-16 (in the Chinese mainland) MRGF-X (outside the Chinese mainland)	12th Gen Intel® Core™ i7-1260P Processor	16 GB	1 TB	Intel® Iris® Xe Graphics	Supported

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<b>PBI Model</b>	<b>Certified Model</b>	<b>Processor</b>	<b>Memory</b>	<b>Storage (SSD)</b>	<b>Graphics</b>	<b>Touchscreen</b>
	mainland)					

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

# 3 Overview of Features

## Aesthetic Design

- Metallic body, highly-cohesive floating touchscreen, and crafted form (micro-arc oxidation process used for the Magnesium Alloy Edition, and anodic oxidation process used for the Aluminum Alloy Edition)
- 14.2-inch HD touchscreen with a 3120 x 2080 resolution, P3 wide color gamut,  $\Delta E < 1$  color accuracy, 1.07 billion colors, up to 90 Hz refresh rate, 178-degree (typical value) viewing angle, and 500-nit (typical value) brightness. (The Magnesium Alloy Edition supports magnetically-controlled nano optical layer)
- 3:2 productivity screen, 6 mm upper bezel, 4.5 mm left and right bezels, 6.6 mm lower bezel, and 92.5% screen-to-body ratio

## Innovative Technologies

- 12th Gen Intel® Core™ i7-1260P Processor (and below)
- LPDDR5 16 GB dual-channel high-speed memory
- HUAWEI dual Shark Fin fan cooling system, for significantly enhanced performance, with three air intake vents and ultra-thin fan blades for VC heat dissipation
- 90 W USB-C power adapter that can be used with computers, phones, and tablets (with a USB-C port); and SuperCharge supported on certain Huawei phones and tablets (the 65 W mini power adapter standard in regions where American/Japanese standards are used)

## Smart Experience

- Super Device, which facilitates seamless collaboration between the laptop and other devices, including HUAWEI laptops, phones, tablets, monitors and vision devices. On the Super Device screen, users 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 a phone, or pairing the laptop with a monitor to expand horizons. AI Search and Multi-Device Files make it easy to view and search for files on a 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/>

- HUAWEI Free Touch, which offers ultra-precise, touch-sensitive feedback, and supports a wide range of gestures
- Comes with HUAWEI SOUND 6 speakers for a new level of audiovisual immersion, uses split frequency setup for deep, resonant bass, and clear, crisp treble, and adopts back-to-back woofers to minimize resonance noise
- Open-cover startup and facial recognition unlock, with a Fingerprint Power Button that supports secure, one –press power on and log in


- HUAWEI PC Manager pre-installed, which provides a wide range of smart services, including hardware checks, driver updates, power consumption management, and 24/7 hotline services
- AI Camera, which allows users to replace background images and automatically focuses on faces when used for video calls

# 4 Hardware Configuration

<b>Screen</b>	<ul style="list-style-type: none"><li>• Size: 14.2 inches</li><li>• Type: LTPS</li><li>• Resolution: 3120 x 2080 pixels, 264 pixels per inch (PPI)</li><li>• Maximum refresh rate: 90 Hz</li><li>• Aspect ratio: 3:2</li><li>• Viewing angle: 178 degrees (typical value)</li><li>• Color gamut: P3 wide color gamut; color accuracy: <math>\Delta E &lt; 1</math></li><li>• Color depth: 1.07 billion colors</li><li>• Brightness: 500 nits (typical value)</li><li>• Contrast ratio: 1500:1 (typical value)</li><li>• Touchscreen: Supports 10-point multi-touch</li><li>• Obtained the TÜV Rheinland Pro-level Color Accuracy with Dual Color Gamut Certification</li><li>• Obtained the VESA DisplayHDR™ 400 certification</li><li>• Obtained the TÜV Rheinland Low Blue Light (Hardware Solution) Certification (Aluminum Alloy Edition)</li><li>• Obtained the TÜV Rheinland Flicker Free Certification (Aluminum Alloy Edition)</li><li>• Obtained the TÜV Rheinland Eye Comfort 3.0 Certification (Magnesium Alloy Edition)</li></ul>
<b>Appearance</b>	<ul style="list-style-type: none"><li>• Aluminum Alloy Edition dimensions (W x D x H): 310 mm x 221 mm x 15.5 mm</li><li>• Magnesium Alloy Edition dimensions (W x D x H): 310 mm x 221 mm x 15.6 mm</li><li>• Weight: Approx. 1.38 kg (Aluminum Alloy Edition) and 1.26 kg (Magnesium Alloy Edition)</li><li>• Colors: Space Gray, Mystic Silver, Ink Blue, White</li></ul>

<b>Processor</b>	<ul style="list-style-type: none"> <li>12th Gen Intel® Core™ i7-1260P Processor</li> </ul>
<b>Graphics</b>	Intel® Iris® Xe Graphics
<b>Storage</b>	<ul style="list-style-type: none"> <li>Storage: 1 TB NVMe PCIe SSD</li> <li>Memory: 16 GB LPDDR5</li> </ul>
<b>Button and ports</b>	<ul style="list-style-type: none"> <li>Fingerprint power button</li> <li>3.5 mm headset/microphone jack x 1</li> <li>Thunderbolt™ 4 port x 2</li> <li>All-purpose USB-C port x 2 (supporting data transmission, charging, and DisplayPort)</li> </ul>
<b>WLAN</b>	<p>Wi-Fi 6E, IEEE 802.11 a/b/g/n/ac/ax, 2.4 GHz/5 GHz/6 GHz, 2x2 MIMO</p>  Wi-Fi 6E connectivity may vary by region and local network. This function can be added via OTA whenever available.
<b>Bluetooth</b>	The chip supports Bluetooth 5.2
<b>Camera</b>	720P HD front camera
<b>Audio</b>	Digital microphone x 4, speaker x 6
<b>Sensors</b>	Light sensor, fingerprint sensor, Hall sensor, and pressure sensor
<b>Battery</b>	<ul style="list-style-type: none"> <li>Material: Lithium polymer</li> <li>Capacity: 60 Wh (rated capacity)</li> </ul>
<b>Power adapter</b>	<p>90 W USB-C Power Adapter (standard in regions where Chinese/British/European standards are used)</p> <ul style="list-style-type: none"> <li>Input: 100–240 V AC, 50 Hz/60 Hz</li> <li>Output: 5 V/2A, 9 V/3 A, 12 V/3 A, 15 V/5 A, 20 V/4.5 A MAX</li> </ul> <p>65 W USB-C Mini Power Adapter (standard in regions where American/Japanese standards are used)</p> <ul style="list-style-type: none"> <li>Input: 100–240 V AC, 50 Hz/60 Hz</li> <li>Output: 5 V/2 A, 9 V/2 A, 12 V/2 A, 15 V/3 A, 20 V/3.25 A</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Charging temperature: 0°C to 40°C (32°F to 104°F)</li> <li>Operating temperature: 0°C to 35°C (32°F to 95°F)</li> <li>Storage temperature: –10°C to +45°C (14°F to 113°F)</li> </ul>
<b>Operating humidity</b>	5% to 95% (non-condensing)
<b>Other</b>	<ul style="list-style-type: none"> <li>Charging indicator</li> <li>Camera indicator</li> </ul>

# 5 Wireless Specifications

<b>WLAN</b>	<ul style="list-style-type: none"><li>Standards: Wi-Fi 6E, IEEE 802.11 a/b/g/n/ac/ax</li><li>Frequency bands: 2.4GHz, 5GHz, and 6GHz</li><li> Wi-Fi 6E connectivity may vary by region and local network. This function can be added via OTA whenever available.</li><li>Antenna: 2x2 MIMO</li><li>Encryption mode: WPA/WPA2/WPA3</li></ul>
<b>Bluetooth</b>	The chip supports Bluetooth 5.2

# 6 Software Specifications

<b>Operating system</b>	Windows 11 Pro (64-bit)
<b>Input method</b>	Microsoft input method
<b>Browser</b>	Microsoft Edge (default browser)
<b>Special audio effects</b>	HUAWEI SOUND
<b>Features</b>	<ul style="list-style-type: none"><li>• Super Device</li><li>• HUAWEI PC Manager</li><li>• Performance mode (hotkeys: Fn+P)</li><li>• Refresh rate switchover (hotkeys: Fn+R)</li><li>• Display management (Color mode and Eye Comfort mode)</li><li>• Huawei one-key recovery (F10)</li></ul>
<b>Third-party apps</b>	<ul style="list-style-type: none"><li>• Pre-installed Microsoft Office Home and Student</li><li>• Third-party apps can be installed and uninstalled in accordance with local strategies.</li></ul>
<b>Updates</b>	<ul style="list-style-type: none"><li>• Local updates: Via USB flash drive (after-sales service)</li><li>• Online updates:<ul style="list-style-type: none"><li>- Remote updates via Microsoft Windows Update</li><li>- Driver updates via HUAWEI PC Manager</li></ul></li></ul>



# 7 List of Accessories

## Standard accessories:

No.	Item	Quantity	Description
1	90 W USB-C Power Adapter (standard in regions where Chinese/British/European standards are used) 65 W USB-C Mini Power Adapter (standard in regions where American/Japanese standards are used)	1	Standard
2	Power Adapter Cable (USB-C)	1	Standard
3	Quick Start Guide	1	Standard
4	Warranty Card	1	Standard
5	HUAWEI USB-C OTG Adapter Cable	1	Standard

## Optional accessories:

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

- Optional accessories need to be purchased separately.

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# 8 Acronyms/Abbreviations

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<b>AC</b>	Alternating Current
<b>DC</b>	Direct Current
<b>GPU</b>	Graphic Processing Unit
<b>HD</b>	High-Definition
<b>IEEE</b>	Institute of Electrical and Electronics Engineers
<b>PPI</b>	Pixels Per Inch
<b>USB</b>	Universal Serial Bus
<b>WLAN</b>	Wireless Local Area Network