

Overview

Related 5G Routers

Model	Speed	Wi-Fi 6	CPU	Support 5G Bands	4G LTE
Huawei 5G CPE Pro H112-372	5G: 1.65Gbps/ 250Mbps 4G : 1.6Gbps/ 150Mbps	N	Balong 5000	5G: n41/ n77/ n78/ n79	LTE: B1/3/5/7/8/18/19/20/28/32/34/38/39/40/41/4:
Huawei 5G CPE Pro 2 H122-373	5G: 3.6Gbps/ 250Mbps 4G: 1.6Gbps/ 150Mbps	Y	Balong 5000	5G: n1/ 3/ 5/ 7/ 28/ 38/ 40(2300-2390 MHz)/ 41/ 77/ 78/ 79/ 80/ 84	LTE: B1/3/5/7/8/20/28/32/34/38/39/40(2300-2390
Huawei 5G CPE Win H312-371	5G: 1.65Gbps/ 250Mbps 4G: 1.6Gbps/ 150Mbps	N	Balong 5000	5G: n41/ n77/ n78/ n79	LTE: B1/3/5/7/8/18/19/20/28/32/34/38/39/40/41/4:
Huawei 5G Mobile WiFi E6878-870	5G: 1.65Gbps/ 250Mbps 4G: 300Mbps/ 75Mbps	N	Balong 5000	5G: n41/ n77/ n78/ n79	LTE FDD: B1, B3, B5, B7, B8, B20, B28, B32 LTE TDD: B34, B38, B39, B40, B41, B42
Huawei 5G Mobile WiFi Pro E6878-370	5G: 1.65Gbps/ 250Mbps 4G: 300Mbps/ 75Mbps	N	Balong 5000	5G: n41/ n77/ n78/ n79	LTE FDD: B1, B3, B5, B7, B8, B20, B28, B32 LTE TDD: B34, B38, B39, B40, B41, B42
ZTE 5G CPE MC801A WiFi 6 Router	5G: 4.6Gbps	Y	Qualcomm Snapdragon X55	5G: n41/78/79/1/28 4G: B1/3/5/8/28/34/39/40	4G LTE™ : Global FDD and TDD, 600MHz~3.8GHz,
OPPO 5G CPE T1	5G: NSA 4.1Gbps/ 660Mbps SA 2.1Gbps/ 900Mbps 4G: 2.0Gbps/ 210Mbps	Y	Qualcomm Snapdragon X55	5G: n1/ n41/ n78/ n79	FDD-LTE: B1/3/5/8/28 TDD-LTE: B34/38/39/40/41
Netgear M5 MR5200 5G Mobile WiFi Router	5G : 4.0Gbps	Y	Qualcomm SDx55	5G: n1, n3, n5, n7, n8, n20, n28, n38, n40, n77 and n78	LTE FDD: 700/800/900/1800/2100/2600 MHz LTE TDD: 2300/2600 MHz
TCL LINKHUB 5G Home Station	5G: 2.83 Gbps/ 300 Mbps	Y	Qualcomm X55 + 8072A	5G: N1/N3/N5/N7/N8/N20/N28/N41/N77/N78/N79	LTE: B2/3/4/5/7/12/13/17/48/25/26/29/30/41/66/7:

For more details, please check [Buyer Guide: Huawei 5G CPE Pro vs. Huawei 5G CPE Pro 2](#)

Learn More: [5G Devices](#)

Product Highlights



HUAWEI 5G CPE Pro 2

3.6 Gbps Downlink | Super Uplink | Wi-Fi 6 Plus

Upgraded Balong 5000. Unmatched 5G Download Speed.

Built with the Balong 5000 chipset, supporting carrier aggregation, the theoretical peak download speed of HUAWEI 5G CPE Pro 2 is doubled, reaching up to 3.6 Gbps¹. You are able to download HD videos in seconds. Adopting all-new 5G smart antennas, HUAWEI 5G CPE Pro 2 also supports up to 11 5G frequency bands², allowing you to expand your business globally.

3.6 Gbps
Theoretical Peak
Download Speed for 5G

NSA/SA
Support 5G NSA/SA & 4G

TDD/FDD
Support 11 5G
Frequency Bands



5G Super Uplink. Leading-Edge Upload Technology. Revolutionary Experience.

Thanks to the innovative HUAWEI 5G Super Uplink, merging TDD with FDD, HUAWEI 5G CPE Pro 2 will offer incredibly fast upload speed. It allows you to upload videos in an instant, livestream in 8K/4K high-definition graphics and unlock the full potential of AR/VR. Embrace fresh, new experiences with faster upload speed.

20%-60%↑
Faster Upload Speed in Near Field³

200%-400%↑
Faster Upload Speed in Far Field³

30%↓
Lower Upload Latency³



5G Network Slicing. Tailored Network to Satisfy Your Needs at Every Layer.

The future of the 5G mobile network is filled with increasingly diverse application scenarios. As HUAWEI 5G CPE Pro 2 supports 5G Network Slicing⁴, you will be able to customize your network with desirable characteristics like low latency for ultra-smooth gaming, high bandwidth for watching 8K movies, and so on.

Silent Cooling Fan. No Disturbance. Only Great Performance.

HUAWEI 5G CPE Pro 2 adopts a 30 dB cooling fan to get rid of any disturbing noise, even during heavy use. The fan will also adjust its speed depending on the detected temperatures, which allows for efficient heat dissipation and consistent performance over a long period.

30 dB
10 dB Lower Than
Environmental Noise⁵

50%
More Dissipated
Heat⁵

5 °C
Lowered Housing
Temperature⁵



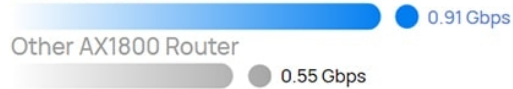
HUAWEI Wi-Fi 6 Plus. Speed Up Your Wi-Fi to 2976 Mbps.

With Wi-Fi 6, the speed of HUAWEI 5G CPE Pro 2 increases by 150%, boosted to 2976 Mbps on dual bands.⁶ Its Gigahome Wi-Fi 6 chipset, supporting Chipset Synergy, also allows HUAWEI Wi-Fi 5-enabled phones⁷ to take full advantage of 160 MHz wide frequency bandwidth.

Speed Test of HUAWEI Wi-Fi 6-Enabled Phones in Near Field HUAWEI 5G CPE Pro 2



Speed Test of HUAWEI Wi-Fi 5-Enabled Phones in Near Field HUAWEI 5G CPE Pro 2



*Data from HUAWEI test labs.



HUAWEI Wi-Fi 6 Plus. Cover More Space with Stronger Signals.

Adopting HUAWEI patented magnetic-electric dipole Wi-Fi antenna, HUAWEI 5G CPE Pro 2 allows the signal to travel in all directions alike, covering 30% more spaces⁸ with evenly distributed signals. Combining Dynamic Narrow Bandwidth Technology (down to 2 MHz) and Chipset Synergy, the coverage of HUAWEI 5G CPE Pro 2 is further improved, allowing HUAWEI Wi-Fi 6-enabled phones to have good reception even when placed in a region far from the router.



Wi-Fi 6 OFDMA + X-Shape Wi-Fi Antenna. Level Up Your Gaming.

HUAWEI 5G CPE Pro 2 is crafted for better gaming experience. With the X-Shape Wi-Fi antenna, its wireless signal strength will not be diminished, no matter how you hold your phone, resolving 'death grip' issue when playing mobile games in landscape mode. With OFDMA, transmission efficiency is also greatly boosted as a carrier can now transfer not just a single service, but 9 different services in one trip. Gamers will love it for it further reduces lagging.



Wi-Fi 6 MU-MIMO. Connect More Devices. Cut the Queue.

HUAWEI 5G CPE Pro 2 puts more Wi-Fi devices on the same network, totaling up to 128 devices⁹. Its

Balong dual-core CPU ensures smooth and stable performance when connecting to multiple devices. And it also reduces the wait time of your devices with MU-MIMO, by sending signals to 16 devices simultaneously⁹. Perfect for crowded offices or large houses where many people need to use phones, tablets and laptops at the same time.





HUAWEI HiLink Mesh¹⁰. Cover Every Corner of Your Home.

HUAWEI 5G CPE Pro 2 allows you to set up a whole-home mesh network system, which offers seamless Wi-Fi throughout your home. As you walk around the house, the connected device will automatically switch to the strongest signal in the system. Set up your mesh network in anyway you like, by connecting HUAWEI 5G CPE Pro 2 to HUAWEI Wi-Fi routers, or connecting it with your Ethernet cable, or both.



Aesthetic Design. Small and Beautiful.

HUAWEI 5G CPE Pro 2 inherits the classic look inspired by ancient Greek columns. This allows it to match with any room interior styles you have. And its size is made 1/3 smaller¹¹, unlike its powerful performance would suggest. With a simple press, it can connect with any HUAWEI HiLink devices without a password. And it will automatically sync your password even if you changed the Wi-Fi name.

HUAWEI AI Life APP¹².

Manage Your Home Network Effortlessly.



Remote Management

Remotely manage all devices on the network.



Traffic Settings

Check your data usage and set up your monthly data plan.



Location Recommendation

Detect current signal strength, and recommend positions that can receive stronger signal.



Wi-Fi Settings

Choose between strong, standard and sleep modes as you like.



Guest Wi-Fi

Open a separate network for your guest to avoid leaking the Wi-Fi password.



Network Security

Manage your time spent online. Allocate bandwidth according to the demands from devices.

Note:

1. Based on results from HUAWEI lab tests by comparing the download speed of HUAWEI 5G CPE Pro 2 and HUAWEI 5G CPE Pro. The test is conducted using 200 MHz bandwidth and TDD mode that supports UL/DL ratio of 8:2.
 2. Supported 5G frequency bands: n1/n3/n5/n7/n28/n38/n40/n41/n77/n78/n79. Actual supported frequency bands may vary slightly in different regions due to certification.
 3. Data from HUAWEI test lab, by comparing HUAWEI 5G CPE Pro 2 and HUAWEI 5G CPE Pro.
 4. Supports 5G Network Slicing based on up to 2 IP addresses. Please be aware that 5G Network Slicing is for testing only. Actual performance may depend on operator policy, network deployment and testing results.
 5. Data from HUAWEI test lab, by comparing HUAWEI 5G CPE Pro 2 and HUAWEI 5G CPE Pro.
 6. Data from HUAWEI test lab, by comparing HUAWEI 5G CPE Pro 2 and HUAWEI 5G CPE Pro. The theoretical value of 5 GHz Wi-Fi is 2402 Mbps, while the theoretical value of 2.4 GHz Wi-Fi is 574 Mbps.
 7. HUAWEI Wi-Fi 5-enabled phones includes Mate30 series, P30 series, Mate20 series, etc. All of them support 160 MHz bandwidth.
 8. Data from HUAWEI test lab, by comparing HUAWEI 5G CPE Pro 2 and HUAWEI 5G CPE Pro.
 9. Data from HUAWEI test lab. Simultaneously connect up to 16 devices with 5 GHz Wi-Fi. Simultaneously connect up to 4 devices with 2.4 GHz Wi-Fi.
 10. 802.11s is currently not supported. HUAWEI 5G CPE Pro 2 would support 802.11s or easy mesh upon HOTA (HUAWEI-Over-the-Air) update.
 11. Data from HUAWEI test lab, by comparing HUAWEI 5G CPE Pro 2 and HUAWEI 5G CPE Pro.
 12. Android devices need to use HUAWEI AI Life APP, while iOS devices need to use HUAWEI Smart Home APP.
- Originating from HUAWEI's self-developed chipset, HUAWEI Wi-Fi 6 Plus is a set of unique features developed based on Wi-Fi 6 standard.

What's in the Box

1. 5G CPE Pro 2: 1 (standard)
2. Power Adapter: 1 (standard)
3. Quick Start: 1 (standard)
4. Ethernet Cable: 1 (standard)
5. Warranty Card: 1 (optional)

Get More Information

Do you have any question about the Huawei 5G CPE Pro 2?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

Huawei 5G CPE Pro 2 Specification	
Dimensions	90 mm x 96.6 mm x 178 mm
Interfaces	1 Wan/Lan GE port, 1 Lan GE port, 1 power adapter port, 1 SIM card slot (Nano-SIM)
5G / 4G	Communication Standard: 3GPP Release 15 Applicable Network: 5G/4G Network Mode: NSA/SA 5G Transmission Rate: 3.6 Gbps/250 Mbps (Theoretical value. The actual rate depends on the operator) 4G Transmission Rate: 1.6 Gbps/150 Mbps (Theoretical value. The actual rate depends on the operator) Antenna Type: Built-in 5G/4G primary and secondary antennas
Supported Bands	5G[n1/3/5/7/28/38/40][2300-2390 MHz][41/77/78/79/80/84] LTE[B1/3/5/7/8/20/28/32/34/38/39/40][2300-2390 MHz][41/42/43]
Wireless	Transmission Standard: Wi-Fi 6, compatible with 802.11ac/n/g/b/a Transmission Rate: DBDC 2976 Mbps, 5 GHz 2402 Mbps (theoretical value), 2.4 GHz 574 Mbps (theoretical value) Frequency Band: 2.4 GHz & 5 GHz Antenna Type: Built-in dual-band Wi-Fi antennas
Software Functions	APP: HUAWEI AI Life APP (Android), HUAWEI Smart Home APP (iOS) More Functions: Mobile network (5G/4G) access, Ethernet access, 5 GHz preferred, SMS service, firewall, PIN protection, MAC address filtering, Wi-Fi encryption authentication, VPN tunnel/VPN penetration, IPv4 and IPv6/IPv4 dual stack, multi-APN, WebUI, HOTA, etc

Packing list	5G CPE Pro 2: 1 (standard) Power Adapter: 1 (standard) Quick Start: 1 (standard) Ethernet Cable: 1 (standard) Warranty Card: 1 (optional)
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