



Connecting things
Hongdian

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A500M

AX3600 5G CPE



Overview

A500M is a 5G & Wi-Fi 6 desktop CPE specially designed for SME and smart home cases. It adopts a simple, integrated and fashionable design with 12 built-in antennas. With simple appearance and powerful performance, it can plug and play to provide a high-speed network access point in SME or families.

Highlights

MTK Solution



- MediaTek T750 SOC, 3GPP Rel-15 5G NSA&SA Sub-6 support
- 5G platform with advanced 7nm process

Wi-Fi 6



- 4*4 MIMO omnidirectional high-gain Wi-Fi antennas, support up to 64 users
- Wi-Fi6 AX3600 specification, 100% speed increase compared to previous version
- Support OFDMA, TWT, BSS coloring Wi-Fi6 technologies to ensure high-speed access

Better Signal



- Up to 12 built-in antennas for 5G & Wi-Fi 6
- 8 built-in 5G and 4 built-in Wi-Fi6 antennas ensure MIMO concurrent speed
- 3D stereo stacking design antenna ensures minimal interference and optimal reception

Topology diagram



Smart home



Shared networks



Plug and play



Secure surveillance

Features



MTK Solution

Bandwidth up to 200MHz

The downlink speed up to 4.67Gbps



Wi-Fi 6

Support up to 64 users

Wi-Fi6 AX3600 specification



High performance interfaces

1xGigE LAN, 1xGigE WAN/LAN

Support VoLTE/ VoNR



Safety

Support port filtering and security firewall

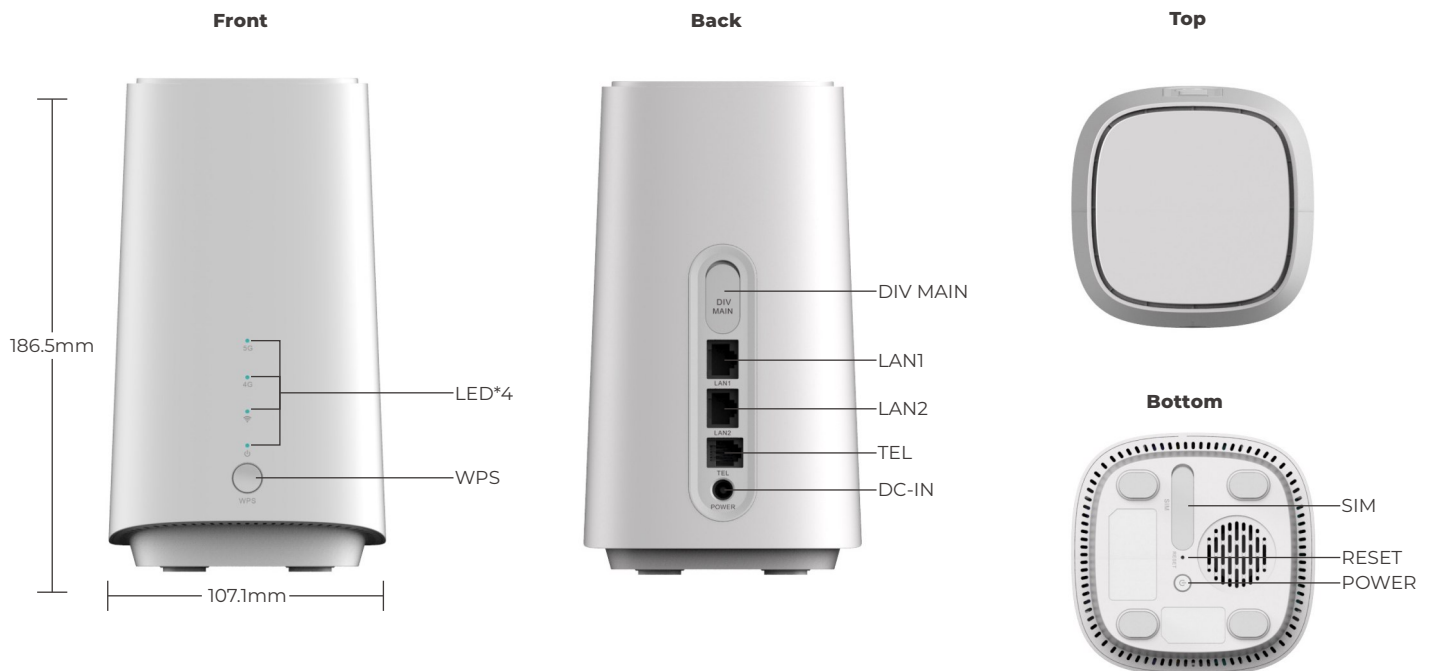
Support VPN

Specification

HARDWARE				
Model	A500M	Network	5G/4G/3G	
LED indicator	Power, Wi-Fi, 4G, 5G	SIM card	4FF SIM(Nano SIM)	
VOLTE	RJ11*1	KEY	RESET, Power, WPS	
Built-in antenna	4G/5G antenna*8, Wi-Fi antenna(MU MIMO)*4			
Ethernet	1*10/100/1000Mbps LAN, 1*10/100/1000Mbps LAN/WAN			
Operating voltage	+12VDC/2A	Weight	About 610g (without power adapter)	
Size	94.3mm*107.1mm*186.5mm	Operating temperature	-10°C+55°C	
Relative humidity	≤95%	Storage temperature	-20°C+70°C	
NETWORK				
Cellular*	5G NSA Sub-6	3.74Gbps (DL)/1.46Gbps (UL)	LTE	1.4Gbps (DL)/211Mbps (UL)
	5G SA Sub-6	4.67Gbps (DL)/2.5Gbps (UL)	WCDMA	42 Mbps (DL)/5.76 Mbps (UL)
Wi-Fi 6*	2.4GHz	802.11 a/b/g/n/ac/ax, 4*4 MIMO, 1200Mbps		
	5.8GHz	802.11 a/b/g/n/ac/ax, 4*4 MIMO, 2400Mbps		
	Max user	64		

*Theoretical peak value, the actual rate is related to the test environment




Appearance



Ordering info

Model	5G modem	MIMO	WLAN	RJ45	Region
A500M-D	5G NR: 3GPP Release 16 NSA/SA operation, Sub-6 GHz 5G NSA & SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n76/n77/n78 4G LTE-FDD: B1/B3/B5/B7/B8/B20/B28/B32 4G LTE-TDD: B38/B40/B41/B42/B43 3G WCDMA: B1/B5/B8	5G DL 4×4 MIMO on: n1/n3/n7/n38/n40/n41/n75/n76/n77/n78 LTE DL 4 × 4 MIMO on: B1/B3/B7/B38/B40/B41/B42	Wi-Fi 6 2.4GHz & 5GHz, AX3600	1×10/100/1000bps LAN; 1×10/100/1000/2500Mbps LAN/WAN	EMEA/Oceania/Brazil
A500M-S	5G NR: 3GPP Release 16 NSA/SA operation, Sub-6 GHz 5G NSA & SA: n2/n5/n7/n12/n13/n14/n25/n26/n29/n30/n38/n41/n48/n66/n70/n71/n77/n78 4G LTE-FDD: B1/B3/B5/B7/B8/B20/B28/B32 4G LTE-TDD: B38/B40/B41/B42/B43 3G WCDMA: B1/B5/B8	5G DL 4×4 MIMO on: n1/n3/n38/n40/n41/n77/n78 LTE DL 4 × 4 MIMO on: B1/B3/B7/B38/B40/B41/B42	Wi-Fi 6 2.4GHz & 5GHz, AX1800	1×10/100/1000bps LAN; 1×10/100/1000/2500Mbps LAN/WAN	North America

Packing list

 A500M 5G CPE	 1×Power adapter	 1×Network cable
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