SAILSKY

Data book

XM series of 5G router

XM520

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Security statement

Please read the safety and compatibility information of the product before powering it up.

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The product conforms to the design requirements of environmental protection. The storage, use and disposal of the product shall comply with the requirements of relevant national laws and regulations.
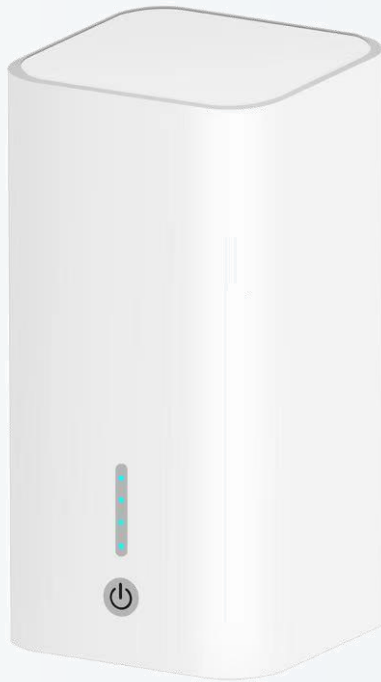
Revision record

The revision record accumulates the notes for each manual update, and the latest version of the manual contains all previous manual updates.
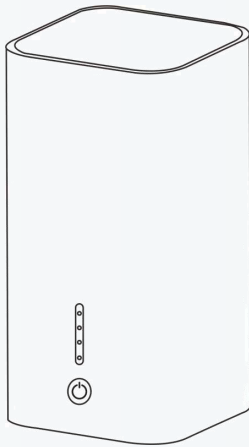
Directory

XM520 - 5G & Wifi-6 wireless LTE router

XM520 adopts 5G & WiFi-6 Smart Router System (CPE), is based on brand-new embed platform, it can be satisfied with growing-up mobile connections requirements and provides the fast speed beyond your imagination.
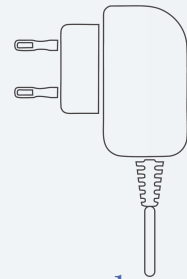
The CPE is compatible with NSA/SA dual-mode, suits to all network types all over the world, it means you just plug and play it and enjoy the ultra-fast broadband connection at any places.

The CPE brings the new way to enable you experience VR/AR/4K/8K streaming freely and easily. With 802.11ax (Wi-Fi 6) technology built-in, the single CPE has wider wireless coverage and more bandwidth. Meanwhile the CPE brings higher security, better network efficiency and longer battery life.

XM520×1

Power adapter×1
（12V2A)

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Product Manual

Product parameter function and installation guide

Product
specification×1

Cat 6 Cable×1
（1 meter）

1. Car WiFi network, such as bus, RV, self-driving line, etc

Bus and other moving scenes, if you want to use the network can be realized through 5G router, power supply and mobility are very convenient, you can provide passengers with WIFI, or expand the marketing function of WIFI.

2. Unmanned network for equipment, such as charging piles, vending machines, automatic numbering machines, advertising machines, etc

5G router can provide fast and simple network access and data transmission for all kinds of unmanaged intelligent devices, so as to realize intelligent interconnection and save costs.

3. Enterprise office emergency networking

Office power outage or network cut-off may directly cause unpredictable economic losses, so 5G router can also be used as an emergency networking plan.

4. Enterprise office emergency networking

Network for remote areas without broadband coverage, such as remote scenic spots, villages, seaside mountain villas, etc.

5. Use the net temporarily for outdoor activities, such as outdoor party, outdoor live broadcast, etc

Outdoor temporary activities, pull broadband is not realistic, need to use the network can use 5G router, support 5G to cable and WIFI, can access to the computer wired Internet, or provide WIFI for multiple users to connect WIFI Internet, more flexible than the wireless network card, the role is more extensive.

6. Monitoring network

Can provide a flexible network for monitoring, convenient data transmission.

Hardware specifications

Model	XM520
CPU	MT7621DAT+7905N+7975DN+RTL8111H
Flash	16MB
Memory	256MB DDR3
Ethernet	1*1Gbps WAN,2*1Gbps LAN
Card slot	1* SIM Slot（Nano-SIM）
Button	Reset button
	MESH+ Button
Switch	MESH+ LED Switch
LED Indicator	MESH+ Working Status (breathing light)
	4G Status
	5G Status
	WiFi Status
	Power Status
Power Consumption	<20W
DC Power Supply	12V/2A
Working temperature	0℃～40℃（Storage temperature: -20℃～70℃）
Humidity	5%～95%
Dimensions	108mmX108mmX216mm
Weight	700g

05 5G Cellular

5G Cellular	
5G Chipset	**Unisoc UDX710**
Wifi chipset	Wifi Chipset: MT7621DAT+7905N+7975DN+RTL8111H
5G Network Modes	SA (standalone), NSA (non-standalone)
5G module	RM500U-CN
5G NR	3GPP Release 15 NSA/SA operation，Sub-6 GHz
4G 5G Bands	**Unisoc UDX710 (Asia/Middle East):** 5G: NSA:n41/78/79; SA:n1/28/41/77/78/79 LTE-FDD: B1/B2/B3/B5/B7/B8/B20/B28; LTE-FDD: B34/B38/B39/B40/B41; WCDMA:B1/B2/B5/B8 **Unisoc UDX710 (Middle East/Europe/South America)** 5G: NSA:n1/3/7/28/38/40/41/77/78; SA:n1/3/5/7/8/20/28/38/40/41/66/77/78 LTE-FDD: B1/B2/B3/b4/B5/B7/B8/B20/B28/b66; LTE-FDD: B38/B40/B41; WCDMA:B1/B2/B5/B8
4G 5G speed	NSA: Max. 2.2Gbps(DL)/575Mbps(UL); SA: Max. 2Gbps(DL)/1Gbps(UL); LTE: 600Mbps(DL)/150Mbps(UL); UMTS: 42Mbps(DL)/11Mbps(UL);
5G :Mimo	Upload：2 × 2 MIMO on n41/n77/n78/n79 Download：4 × 4 MIMO on n1/n41/n77/n78/n79 Download：2 × 2 MIMO on n28
Transmission Speed(MAx)	5G SA Sub-6:Download: Up to 2 Gbps; Upload: Up to 1 Gbps 5G NSA Sub-6:Download: Up to 2.2 Gbps; Upload: Up to 575 Mbps LTE:Download: up to 600 Mbps; Upload: up to 150 Mbps WCDMA:Download: Up to 42.2 Mbps; Upload: Up to 11 Mbps

06 WIFI6 (802.11ax)

WIFI6 (802.11ax)	
Working Radio	#1: 600Mbps @ 2.4GHz #2: 1200Mbps @ 5.1-5.8GHz
Coding Technology	1024-QAM / OFDMA
Peak Connections	100+ Clients
Wi-Fi Standard Conformance	WiFi6 and 802.11ac / 802.11n backward
Antenna	Built-in 4 pcs high performance antennas with 4 pcs external FEM components.

Data Switching
Mobile 4G/5G Connection (Support APN)
2)Giga Ethernet Connection
MESH:MESH+ hybird
2.4G/5GHz WiFi
Advanced Firewall
MAC Filter
WiFi Sercurity
VPN Passthrough and VPN Client (L2TP PPTP)
IPV4/IPV6
WEB / APP Mangement
Firmware upgrade

☎ National Customer Service Number : 0755 - 27209470

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