



# Data book


XM series of 4G router

XM311

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## Security statement

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

## Environmental statement

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.

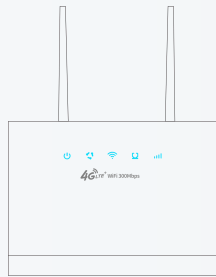
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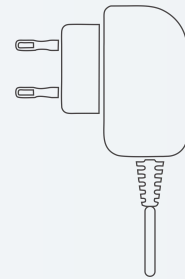


## XM311 – 4G wireless LTE router

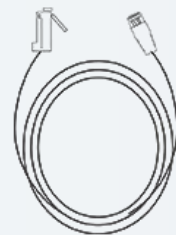
The XM311 Series 4G wireless router uses the ZX297520V3 chipset to provide an integrated wireless solution for small offices and high-end home users. Users can intelligently define energy-saving, standard and wall-through modes through the RF options on the home page. MIMO technology applied in XM311 can provide better wireless transmission performance, stability and wireless coverage, the device supports 64/128-bit WEP encryption, 128-bit WPA standard encryption (TKIP/AES), support multiple SSID synchronous broadcast, is the user's preferred device for wireless Internet.



XM311x1

Power adapterx1  
(12V1A)

Product specificationx1

Cablex1  
(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 4G 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, advertising machines, etc

4G 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 4G 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 4G router, support 4G 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	XM311
Chipset	RTL8192ES* ZX297520V3
Dimension (L × W × H)	16.6*12.*4cm
Weight	About 300g ( No batteries)
MIMO	Support DL 2x2 MIMO
Frequency Band	B1/B3/B5/B7/B8/B20/B38/B39/B40/B41 WCDMA: B1/5/8
Maximum Data Throughput	LTE Cat4 FDD-LTE(DL/UL)150Mbps HSPA+ (DL/UL)21/5.76Mbps
Ethernet LAN port	1LAN, 10BaseT/100Base/ automatic adaptive port
Receive Diversity	Support Receive Diversity
Wifi Users	16
LED Indicator	Power Indication LED, WiFi Indication LED, LAN/WAN Interface Status LED, Internet Status LED, Signal Strength LED
Power supply	DC 12V/1A
Button	Reset wps
Antenna	2 internal WIFI antenna;2 internal LTE antenna; 2 external LTE antenna (optional)
Reset	Pinhole
ESD	Contact±8KV、Air±10KV
Modulation	UP: QPSK/16QAM DOWN :QPSK/16QAM/64QAM

## WiFi Specification

Network Name (SSID)	Ready
SSID Broadcast Enable	Ready
802.11 Mode selection	Ready
802.11b	Ready
802.11g	Ready
802.11n – 20MHz 802.11n–40MHz	Ready
802.11b+g+n mode – This is the Factory Default option	Ready
Security	Ready
Open (Unsecured)	Ready
WPA Personal / PSK (TKIP) – ASCII string, 8 to 63 characters in length	Ready
WPA Personal / PSK (AES) – ASCII string, 8 to 63 characters in length	Ready

## Regulatory Specification

Radio	CE	Follow CE regulatory
Safety	CE	Follow CE regulatory
EMC	CE	Follow CE regulatory

## System

Software reset button	Ready
LED for LTE Link Diagnostic	Ready
System log	Ready
SW Update	TR069 & FOTA(customized) & Local
IPv4	Ready
IPv6	Ready
Firewall	Mac/IP address filter, Port forwarding, WiFi Black/White list
Multiple languages	Ready

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## Environmental specification

### Hardware specifications

Operating temperature	-10~60°C
Storage temperature	-20~70°C
Operating humidity	5~95%
Storage humidity	5~95%



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