

## WR-126

4G Wireless Router



### Overview

WR-126 is a new 4G LTE CPE with LTE CAT 6 technology. The router is mainly aimed at the office, home, security and IoT. It provides highspeed and reliable routing and data transmission capabilities, to meet their different application scenarios.

### Highlight

- MTK7621+7603+7612E CPU,
- Memory: 256MB DDR2,
- 4G Module: LTE CAT6,
- Flash: 32MB ,
- Support 3\*10/100/1000Mbps RJ45,
- Support multi-carrier (2G/3G/4G LTE),
- External reset button,
- Power supply: DC 12V 1.5A,
- Support external LED indicator,
- Button: Reset, WPS , WiFi,
- Support antenna: 4\*WIFI+2\*LTE(Connector Connector for external antenna,5dBi gain.)

### Highlight

- 1\*10/100/1000Mbps RJ45 WAN  
2\*10/100/1000Mbps RJ45 LAN  
1\*RJ11
- 1\*2FF SIM Card
- Throughput: LTE CAT6  
FDD-LTE 300Mbps/100Mbps
- Support Multiple Internet Connect: 2G  
3G, 4G, PPPOE, APN
- Support VOIP, SMS
- Radio rate up to 1200Mbps, support wireless security functions
- Support IPSec, PPTP, L2TP VPN
- Support Firewall: IP, MAC, Port Filtering and DMZ
- Support SIM/USIM/cell lock card and traffic statistics
- Support TR069 and upgrade online
- Support IPV4, IPV6 Protocol
- Support FOTA

## Benefit

### Wireless WAN Connectivity

The 4G router enables easy-to-install wireless connectivity in small business or remote office locations. Ideal for small businesses, home, offices and mobile networks; the 4G router provides wired Ethernet, and 3G/4G wireless WAN connectivity to keep you and your business up and running.

### Secure and Reliable

a-LAN connections are protected with advanced WiFi encryption.

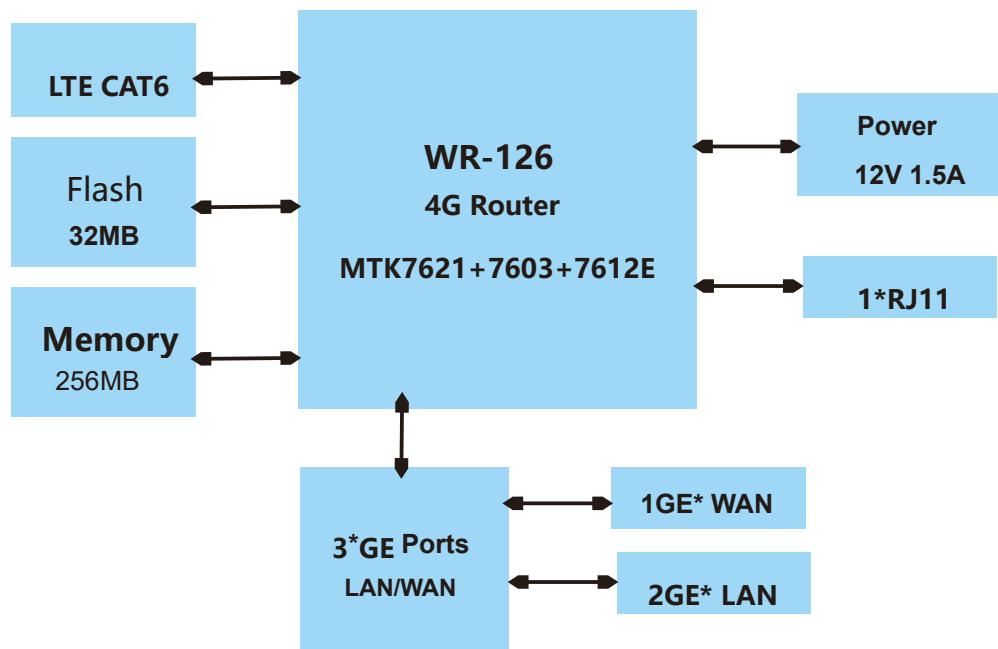
b-Main office access and business transactions are protected by VPN capability, and other security features to ensure your network stays secure. c-Designed for small office/home /IoT/Security deployments.

### Internet and home phone service all in one

Get internet and home phone service all in one device with the 4G LTE Broadband Router with Voice. Whether you need high-speed internet and/or phone connectivity at home or away, this router securely connects multiple devices wherever there is a 4G LTE signal.

# Hardware Specification

## Product Architecture Diagram



Application Scenarios	Home , Office , IoT , Security
Concurrent Clients	64
CPU	MTK7621+7603+7612E
Interface	1 *GE Mbps WAN 、 2*GE Mbps LAN 1*RJ11
Button	Reset , WPS , WiFi
Power Supply	DC12V /1.5A
Flash/Memory	32MB/256MB
SIM Card	Micro SIM
LED	PWR , WiFi , Internet , Ethernet , Signal(4 leds) , Voice
Dimensions	196*126.5*59.7(mm )
Antennas	2.4G+5.8G :2T2R 4G : 2T2R
Antenna Gain	5dBi
Frequency	802.11b/g/n : 2.4~2.4835GHz 802.11a/n/ac : 5.150~5.350GHz
Radio Rate	2.4G: Up to 300Mbps 5.8G: Up to 900Mbps
IPV4/IPV6	Support
Wireless Security	WPA-PSK/WPA2-PSK、 WPA/WPA2

## Hardware Specification

Modulation	DSSS : CCK@5.5/11Mbps,DQPSK@2Mbps, DBPSK@1Mbps OFDM : 64QAM@48/54Mbps,16QAM@24Mbps, QPSK@12/18Mbps,BPSK@6/9Mbps MIMO-OFDM : BPSK,QPSK,16QAM,64QAM,256QAM
Receiver Sensitivity	11b: -91 dBm(1Mbps ), -88 dBm(5Mbps ), -85 dBm(11Mbps ) 11a/g: -89 dBm (6Mbps ), - 80 dBm (24 Mbps ), -76 dBm (36 Mbps ), - 71 dBm (54 Mbps ) 11n: -83 dBm@MCS 0, -65 dBm@MCS 7, -83 dBm@MCS 8, -65 dBm@MCS 15 11ac HT 20: -83 dBm (MCS0 ) , -57 dBm (MCS9 ) 11ac HT 40: -79 dBm (MCS0 ) , -57 dBm (MCS9 ) 11ac HT 80: -76 dBm (MCS0 ) , -51 dBm (MCS9 )
4G Module	LTE CAT6
Frequency	4G LTE FDD:800/1800/2600/900/2100/700/1500MHz 3G DC-HSPA+/HSPA+/HSPA/UMTS (900/2100 MHz ) 2G EDGE/GPRS/GSM (900/1800 MHz )
GSM	900MHz/1800MHz
GNSS	GPS, GLONASS, BeiDou/Compass, Galileo, QZSS
Output Power	Class 4 (33dBm±2dB) for GSM900 Class 1 (30dBm±2dB) for DCS1800 Class E2 (27dBm±3dB) for GSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 8-PSK
Firewall	IP Filtering MAC Filtering Port Filtering DMZ
Lock	Binding SIM Card/CELL lock

Output Power	Class 3 (24dBm+2/-1dB) for CDMA BC0 Class 3 (24dBm+1/-3dB) for WCDMA bands Class 2 (24dBm+1/-3dB) for TD-SCDMA bands Class 3 (23dBm±2dB) for LTE-FDD bands Class 3 (23dBm±2dB) for LTE-TDD bands
LTE Features	Support 3GPP R8 non-CA Cat 4 FDD and TDD Support 1.4MHz~20MHz RF Bandwidth Downlink Support MIMO LTE-FDD: Max downlink speed 150Mbps, uplink speed 50Mbps LTE-TDD: Max downlink speed 130Mbps, uplink speed 35Mbps
UMTS Features	Support 3GPP R8 DC-HSDPA, HSPA+, HSDPA, HSUPA and WCDMA Support QPSK, 16-QAM 和 64-QAM Modulation DC-HSDPA: Max downlink speed 42Mbps HSUPA: Max uplink speed 5.76Mbps WCDMA: Max downlink speed 384Kbps, uplink speed 384Kbps
TD-SCDMA Features	Support CCSA Release 3 TD-SCDMA Max downlink speed 4.2Mbps, uplink speed 2.2Mbps
Output Power	Support 3GPP2 CDMA2000 1x Advanced and 1xEV-DO Rev.A EVDO: Max downlink speed 3.1Mbps, uplink speed 1.8Mbps 1x Advanced: Max downlink speed 307.2Kbps, uplink speed 307.2Kbps
SMS	Inbox, Outbox, Draftbox Display the number of read/unread SMS
Call Setting	CS/VOLTE/VOIP, FSK/DTMF, Emergency Call
VPN	IPSec, L2TP, PPTP
maintenance	TR069, Upgrade online

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## Product Specification

Mode	4G Router
WiFi Setting	Wireless Setting、Channel bandwidth Setting、WPS
Status	CPU Status、Interface Status、4G Status Client List Internet Status
Network	LAN WAN DHCP APN
Traffic assistant	Statistics and display the usage of traffic in 4G mode.
Sys	Username Management Reboot Upgrade/Restore/Bankup Sys time & date Sys logs
Setting Guide	Type of connect Internet Network WiFi
Operating Environment	Operating Temperature: Normal:0°C to +45°C; Operating Humidity: -20° C to +70° C Operating Humidity: 5%~ 95% Storage Humidity: 5%~ 95%