



1.Overview

As a high-performance LTE CPE device with VOLTE, enables home office (SOHO) users to get access to wireless and wired networks

work in any of the following network standards:

- *Frequency Division Duplex (FDD)
- *Time Division Duplex(TDD)
- *Dual Carrier High Speed Packet Access Plus (DC-HSPA+)
- *High Speed Packet Access Plus (HSPA+)
- *High Speed Uplink Packet Access (HSUPA) High
- *Speed Downlink Packet Access (HSDPA)
- *Universal Mobile Telecommunications System (UMTS)
- *Enhanced Data Rates for Global Evolution (EDGE) General
- *Packet Radio Service (GPRS)
- *Global System for Mobile Communications (GSM)
- *provides the following services and functions
- *Support 3GPP Release 8/9 compliant
- *Support 1TX/2RX with TX switched diversity

- *Support UE Category 3/4
- *Support QoS service flow initiated by CPE
- *Built-in web server for web-based configuration
- *Password protected access and configuration Support
- *IEEE 802.3, IEEE 802.3u ,IEEE 802.11 b/g/n
- *USIM Slot
- *Support VPN pass-through
- *Support VOLTE
- *Support RJ11(Voice) Support
- *RJ45(Ethernet)
- *Support LED indicators
- *Support Internal antenna
- *Support External antenna
- *Support Lock Network
- *Battery

2.Main functions:

- *Support 2G/3G/4G network connection
- *Support voice
- *Support external antenna and build-in battery(Optional)
- *WLAN function, easy to expand wireless network.
- *Prevent loiter network, multi wireless safety ensuring.
- *IP broadband band control, ensure the speed.
- *Support network traffic statistics.
- *Support up to 32 WIFI devices online simultaneously.
- *IEEE802.11b/g/n
- *Functioning as a Dynamic Host Configuration Protocol (DHCP) server and supporting
- *Network Address Translation (NAT)
- *Internet Protocol version 6 (IPv6)/Internet Protocol version 4 (IPv4) dual stack
- *Security functions
- * Wi-Fi protected setup (WPS)

3. Technical Specifications

Item	Description	
Technical standards	WAN: LTE/DC-HSPA+/HSPA+/HSPA/UMTS/EDGE/GPRS/GSM	
	WLAN: 802.11b/g/n	
Working bands	Standard(Frequencies could be customized): FDD:Band1/2/3/5/7/8/20/28 TDD: Band38/39/40/41 WCDMA:850/900/1900/2100Mhz GSM:850/900/1800/1900mhz	
Speed	FDD - LTE Downlink: 150Mbps, Uplink: 50Mbps TDD-LTE: Downlink: 150Mbps, Uplink: 50Mbps HSPA+: 42Mbps(download speed) 5.76Mbps(upload speed) HSUPA: 5.76Mbps (upload speed)/ HSDPA:7.2Mbps(download speed:) UMTS:384Kbps (download speed/upload speed) (it is cat4)	
Wifi	WIFI Standard	IEEE 802.11b/g/n
	WIFI Rate	Highest rate 144Mbps
	RF power	17dBm(Max) in 11b mode 17dBm(Max) in 11g mode 16dBm(Max) in 11n mode/chain
	Wifi users	Max up to 32 users
	CSFB	Support
Physical Size	Size	190x70x180(mm)
	weight	455g
External Port	4*RJ45 port (1*WAN, 3* Lan)	
	2*RJ-11(voice)	
	2*SMA external antenna port	
	1*sim card slot	
Buttons	One power button	
	One WPS button	

	One reset button
Antenna	External antenna, Gain>5db
PSU	12V/1A
Power	9-18V
Lights	Power,network,signal,LAN
Temperature	Working temperature:-20~50℃
	Storage temperature:40~85℃
NAT	Support NAT and Network address and port Translation(NAPT)
	Support fragmented message identification during common NAT
DHCP Server	Enables and disables the DHCP server
	Configures DHCP server address pools
	Sets the lease time
	Display the status of the DHCP server address pools,including host Names,Media Access Control (MAC) addresses,IP addressed,and remaining lease time
Firewall	Enables and disables the firewall
	Filters LAN MAC Addresses
	Filters LAN IP addresses
	Filters URLS
	Support port Mapping
	Support Universal Plug and Play(UPnP)
	Speed limit
SMS	Read,write,send SMS
MAC address authentication	Support the MAC address authentication white list Support the MAC address authentication black list
TR069	Support
VPN	Support L2TP VPN
Frequency locking	support
Working mode	3g/4g
	3g only
	4g only
Remote upgrade	support

