

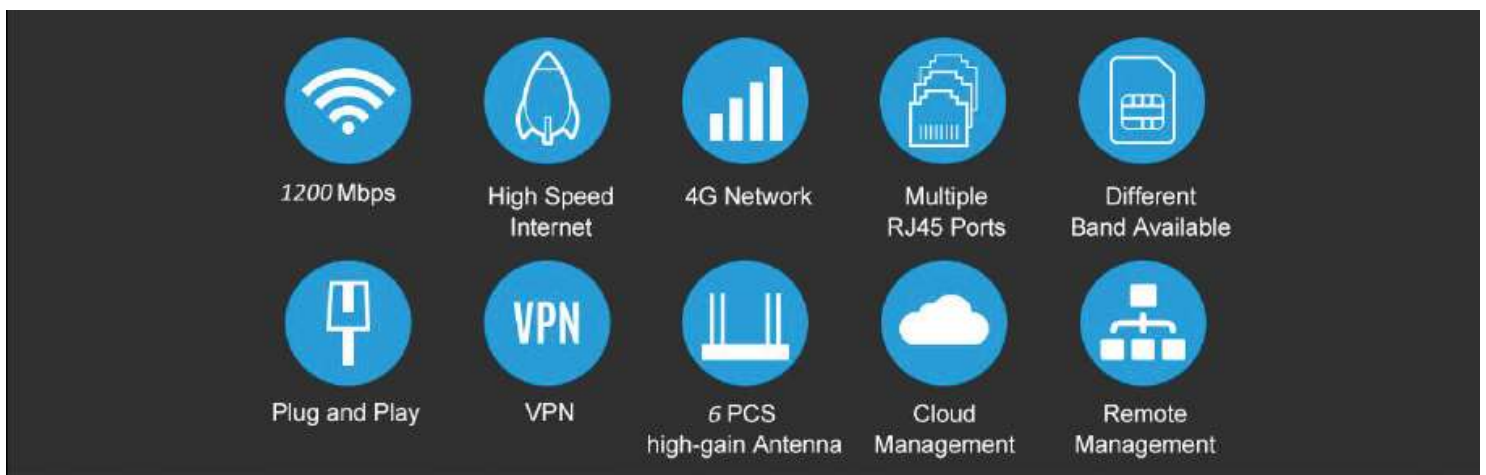


## OVERVIEW

**RL207** is an 11ac standard dual band indoor 4G wireless router support VPN. Comply with IEEE 802.11ac/b/g/n MIMO standard, the data rate up to 1200Mbps, more than 80 end users can access into it with SIM card slot, build in QUECTEL LTE module. It supports FDD-LTE/TDD-LTE for worldwide use with 150Mbps (CAT4) downlink speed. Besides that, there are 3\*10/100Mbps WAN/LAN ports, automatically switch to WAN Ethernet if 4G network existed.

## MAIN FEATURES

- Comply with IEEE 802.11b/g/n/ac Standard, 2.4GHz and 5.8GHZ frequency, the data rate is 1200Mbps for faster Wi-Fi speed.
- Build in 3G/4G SIM card slot, support LTE-TDD/LTE-FDD, WCDMA/CDMA and GSM networking. The band is adjustable, can comply with all operator in the world.
- High RF power design, with Omni 2.4G/5.8G/4G antenna, more wireless coverage, better signal strength and more stable performance.
- It supports VPN (L2TP, PPTP, auto VPN), meet with industrial applications such as chain stores, ATM...
- Firmware support cloud remote configure and management, hardware with watchdog function, device can auto-reboot and auto-recovery if have problems, no extra maintenance fee.



**TECHNICAL SPECIFICATION**

<b>XENTINO RL207</b>	
<b>Interface Characteristics</b>	
Fixed Port	3 x 10/100Mbps LAN ports (can set to WAN port) 1 x 10/100Mbps WAN port 1 x Embedded SIM Slots
<b>Chip Parameter</b>	
LTE Module Model	<b>Quectel EC25-AU, LTE-CAT4 as example (Also support other module)</b> <b>Quectel EC20 R2.1 (China, India)</b> B1/B3/B5/B7/B8/B20@FDD LTE B1/B5/B8@WCDMA B2/B3/B5/B8@GSM <b>Quectel EC25 R2.1 (China, India)</b> B2/B4/B12@FDD LTE; B2/B4/B5@WCDMA; B2/B4/B5/B12/B13/B14/B66/B71@LTE FDD,B2/B4/B5@WCDMA
Band Support	GSM: B2/3/5/8; WCDMA: B1/2/5/8; LTE FDD: B1/2/3/4/5/7/8/28; LTE TDD: B40
CPU	MT7628+MT7613AE
SDRAM	64MB
FLASH	8MB
<b>Power</b>	
DC-DC	12V/1A
<b>Physical Parameter</b>	
Operation TEMP / Humidity	-30~+55°C, 5%~95% RH Non condensing
Storage TEMP / Humidity	-40~+70°C, 5%~95% RH Non condensing
<b>Certification &amp; Warranty</b>	
Warranty	2 years, lifelong maintenance.
<b>Network Management Features</b>	
Wi-Fi	Support Auto Channel, Guest SSID, SSID hide, Wireless MAC filter, white and black list
Net	PPPoE, Automatic IP, Static IP, L2TP, PPTP, 4G Support automatically switch between WAN/ISP and 4G Support VPN server VPN client: PPTP, L2TP and OpenVPN Support AP+Client
Firewall	Support NAT, URL Filter, MAC Filter and Network Service Filter Support DoS attack protection SYN flood attack WAN PING,SSH, HTTP Access
Others	NTP and account setup; Port forwarding, Virtual Server, Watchdog, DMZ, DDNS

Antenna Features					
2.4G RF Power	802.11b	11M	17+2dBm	1M	19+2dBm
	802.11g	54M	16±2dBm	6M	18±2dBm
	802.11n HT20	MCS7	15±2dBm	MCS0	17±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	17±2dBm
5.8G RF Power	802.11a	11M	17+2dBm	1M	19+2dBm
	802.11n HT20	54M	16±2dBm	6M	18±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	17±2dBm
	802.11AC	MCS7	15±2dBm	MCS0	17±2dBm
2.4G Receive Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
5.8G Receive Sensitivity	802.11a	54M	-68dBm	6M	-86dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-86dBm
	802.11n HT40	MCS7	-65dBm	MCS0	-83dBm
	802.11AC	MCS9	-55dBm	MCS0	-73dBm
2.4G EVM	802.11b: ≤-10dB; 802.11g: ≤-25 dB; 802.11n: ≤-28 dB				
5.8G EVM	802.11a_54M: ≤-25 dB; 802.11n_MCS7: ≤-28 dB; 802.11AC_MCS9: ≤-32dB				
PPM	±20ppm				
Channel	1~13, Support auto channel				
Standard	802.11b/g/n				
Bandwidth	HT20, HT40, HT80, HT20/HT40/HT80				
Security	Open System, Shared key, WPA-Personal, WPA2-Personal, WPA-Auto-Personal, WPA-Enterprise(Radius), WPA2-Enterprise(Radius), WPA-Auto-Enterprise(Radius), Radius with 802.1x				
RF Power Adjustable	Support				
2.4G Antenna	Frequency Range: 2.4GHz~2.5 GHz Gain: 5dBi, V.S.W. R≤1.9 Impedence: 50Ω Polarization: Vertical Radiation: Omni				
5.8G Antenna	Frequency Range: 5150-5850 MHZ Gain:5dBi, V.S.W. R ≤1.9 Impedence: 50Ω Polarization: Vertical Radiation: Omni				

## ORDERING INFORMATION

Model	Description
RL207	4G LTE 1200M Wireless VPN Router

## PACKAGE CONTENT

QTY	UNIT	CONTENT
1	SET	4G LTE 1200M Wireless VPN Router
1	PC	Lan Cable
1	PC	DC Adapter
1	PC	User Guide
1	PC	Warranty Card

## Application Scenarios

With the demand of smart device, 4G routers are widely used in various commercial and industrial sites.

