

# 4G Wireless Router

Model: G-LTE-PRO



## Product Overview

This 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 support FDD-LTE/TDD-LTE for worldwide use with 150Mbps downlink speed. Besides that, there are 3\*10/100Mbps WAN/LAN ports, automatically switch to WAN Ethernet if 4G Ethernet.

### 1.1 Application

Serial No.	Content
1	IP Address: 192.168.188.253 User Name: admin Login Password: admin SSID: A60 Password: None
2	For more details, pls check the user manual

## Specification

### 2.1 Hardware

Name	Details
CPU	MT7628+MT7613AE
FLASH	8MB
SDRAM	64MB
DC-DC	12V $\Rightarrow$ 1A

### 2.2 Interface

Name	Details
LAN	3*10/100MBase-T LAN, support IEEE 802.3/802.3u auto-negotiation
WAN/LAN	1*10/100MBase-T WAN/LAN, support IEEE 802.3/802.3u auto-negotiation; It is LAN port when work as 4G Router, WAN port when work as wireless router Support PPPoE, Automatic IP, Static IP, PPTP, L2TP, 4G
4G Antenna Connector (Selective)	External Female SMA Connector, Impedance 50 $\Omega$
WIFI Antenna Connector	External Male SMA Connector, Impedance 50 $\Omega$

SIM Card Slot	Support SIM Card Slot
DC Power	12V/1A
RESET	Press it 10 seconds, Reset to factory default
LED Light	WAN, LAN, Wi-Fi, System

## 2.3 Technical

### 2.3.1 2.4G Technical

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	54M	17±2dBm	6M	19±2dBm
	802.11n HT20	MCS7	16±2dBm	MCS0	18±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	17±2dBm
	802.11AC	MCS9	14±2dBm	MCS0	16±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				

### 2.3.2 4G Technical

Name	Content
LTE Module Model	Quectel EC20

	<p>B1/B3/B5/B7/B8/B20@FDD LTE, B1/B5/B8@WCDMA; B2/B3/B5/B8@GSM          Quectel EC25          B2/B4/B12@FDD LTE; B2/B4/B5@WCDMA; or          B2/B4/B5/B12/B13/B14/B66/B71@LTE FDD, B2/B4/B5@WCDMA</p>
Data Rate:	<p>LTE-FDD: Max 150 (DL) / MAX 50 (UL)          LTE-TDD: Max 130 (DL) / MAX 35 (UL)</p>

**2.4 Other Data**

Name	Content
Working Temperature	-30°C ~ +55°C
Max Working Temperature	-40°C ~ +85°C (Throughput some decrease)
Storage Temperature	-40°C ~ +70°C
Humidity	5%~95% (No Condensation)

**2.5 Firmware Functions**

Name	Content
Wi-Fi	Support Auto Channal, 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 and 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
Other functions	<p>NTP and account setup;          Port forwarding          Virtual Server          Watchdog          DMZ          DDNS</p>