



FR-GR3048AC-C AC1200 Wireless Dual Band 4G Router

Main Features

- 2.4G&5G Dual Band 1.2Gbps Wireless Router
- Supports 64/128-bit WEP encryption and WPA-PSK, WPA2-PSK security
- Supports remote Web management and software upgrades
- Support LTE Cat4, the rate up to 150Mbps
- Brand new generation 11ac wireless technology, extreme wireless experience

Description

The FR-GR3048AC-C Wireless 4G Router is based on 802.11ac standard, providing up to 1.2Gbps wireless data transmission rate. Dual band concurrency technology to avoid interference, so can provide faster download speeds, more smooth video enjoy and online gaming experience to end users. Integrated router, Wi-Fi access point, 4 ports 100M switch and fire wall functions in one. Provide convenient and comprehensive network management functions, supports URL filtering, MAC address filtering and the QoS bandwidth control function, can effectively allocate the client's download rate. Supports wireless data encryption, and can guarantee the security of data transmission in wireless network.

FR-GR3048AC-C supports full-network segment 4G Internet access, the user can insert 4G NANO traffic card, in the absence of Internet access, you can use the 4G network for high-speed Internet access. Support LTE-FDD, LTE-TDD System data transmission, the highest download speed is 150Mbps per second. Whether you're on a business trip, traveling or in a remote location, you can enjoy the WiFi high-speed Internet anytime and anywhere.

Application topology



Wireless
5 Ghz/AC

4G

Wireless
2,4 Ghz

Features

- Four 10/100M LAN ports & one 10/100M WAN port ;
- Support 2.4/5G dual-band complicating so fast and more clients can access in;
- Support the standard of IEEE802.11a/b/g/n/ac;
- Transmit power linearly can be adjusted to different environments;
- support up to 1.2Gbps wireless transmission rate, with the rate adaptive feature that automatically adjust the wireless transmission rate;
- External omni-directional antenna, effectively improve the quality of the wireless signal .
- Automatically select the best channel, can effectively avoid the co-channel interference and improve network stability;
- Provide a variety of measures to ensure network security, such as 64/128-bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK encryption and security mechanism;
- MAC address-based access control can effectively control access rights, support local and remote Web management.
- Support LTE Cat4, the rate up to 150Mbps

Hardware Specification

Model		FR-GR3048AC-C
Chipset		QCA9531 +QCA9886+ EC20 R2.1
CPU Frequency		650MHz
RAM capacity		128MByte(DDR2)
ROM capacity		16MByte(SPI flash)
Standards and Protocols	Wireless (WiFi)	IEEE 802.11ac,IEEE 802.11n,IEEE 802.11g,IEEE 802.11b, IEEE 802.11a
	Wired	IEEE802.3i,IEEE802.3u
WiFi	Operating Frequency	2.4GHz & 5GHz
	Signal Rate	2.4GHz: Up to 300Mbps 5GHz: Up to 866Mbps
	Modulation	IEEE 802.11b: CCK, QPSK, BPSK IEEE 11g/a: OFDM IEEE 11n:QPSK, BPSK, 16-QAM, 64-QAM IEEE 11ac:BPSK, QPSK, 16QAM, 64QAM, 256QAM
	Transmit Power	2.4G: ≤19dBm 5G : ≤17dBm



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4G module	Standards and frequency	GSM:900/1800,CDMA 1x/EVDO:BC0,WCDMA:B1/B8 ,TD-SCDMA:B34/39,LTE-FDD:B1/B3/B5/B8,LTE-TDD:B38/B39/B40/B41
	Signal Rate	LTE FDD: up to 150Mbps(DL)/up to 50Mbps(UL) DC-HSPA+: up to 42Mbps(DL)/up to 5.76Mbps(UL) UMTS: up to 384Kbps(DL)/up to 384Kbps(UL) TD-SCDMA: up to 4.2Mbps(DL)/up to 2.2Mbps(UL) EVDO: up to 3.1Mbps(DL)/up to 1.8Mbps(UL) EDGE: up to 236.8Kbps(DL)/up to 236.8Kbps(UL) GPRS: up to 85.6Kbps(DL)/up to 85.6Kbps(UL)
Indicators		Power,3G/4G,WAN,LAN(1,2,3,4), Wlan
Interfaces		1* 10/100Mbps WAN Port(RJ45) 4* 10/100Mbps LAN Ports(RJ45) 1* NANO SIM card interface 1* DC JACK
Button		1*Reset
Antennas		2 * 5dBi non-detachable external antennas (2.4G&5G) 1 * 5dBi non-detachable external antennas (LTE)
Power Supply		12V/1A power
Dimension (L x W x H)		190*100*28mm
Environment		Operating Temperature: 0°C~40°C Storage Temperature: -40°C~70°C Operating Humidity: 10%~90% RH non-condensing Storage Humidity: 5%~90% RH non-condensing

I Software Specification

Practical function <ul style="list-style-type: none"> ● QoS ● DDNS ● The TFTP server ● UPNP ● Scheduled tasks ● Access control ● WPS ● Wireless relay 	Network Settings <ul style="list-style-type: none"> ● WAN connection types supported: PPPoE、DHCP、Static IP、PPTP、L2TP ● The MAC address clone and modify ● Static routing and routing table ● Diagnostics ● Hostname 	System configuration <ul style="list-style-type: none"> ● Software upgrade ● Save&reload settings ● System log ● NTP server ● Language & Style ● SSH access
Security Settings <ul style="list-style-type: none"> ● Administrator ● LAN Web management ● Remote Web management 	DHCP Settings <ul style="list-style-type: none"> ● DHCP Server ● DHCP Client ● The client list ● Static IP 	Firewall <ul style="list-style-type: none"> ● DMZ ● Port Forward

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Wireless basic function <ul style="list-style-type: none">● 5G&2.4G Dual Band● Disable Wireless LAN Interface● SSID Broadcast● 2.4GHz Band: 802.11b only、802.11g only、802.11g/n mixed● WDS● Multiple SSID● Country code	Wireless Security <ul style="list-style-type: none">● 64/128-bit WEP encryption and WPA-PSK, WPA2-PSK	
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