Maxxtek

MAXXTEK *AX1800 Wireless Dual Band Gigabit VoIP GPON Router*

PRODUCT OVERVIEW

Maxxtek Introducing EC4342Z WiFi Even Faster Speed & Higher Efficiency

EC4342Z, also referred as Wi-Fi 6, was created to improve network efficiency and provide even faster network speed. Instead of letting network tasks compete each other for resources, EC4342Z WiFi focus on scheduling access to guarantee performance of each end device.

EC4342Z comes with 1024QAM and long OFDM Symbol that allow the router to transmit even more data. Compare with 256QAM that used in 802.11ac, raw speeds increased by 25%. EC4342Z is able to deliver blazing speed up to 1800Mbps.

OFDMA is a time and frequency efficient technology that supports simultaneous low data rate transmission from several users, while OFDM that used in 802.11ac can only support one user at given moment.

MU-MIMO allows the router to communicate multiple end devices simultaneously instead of letting devices wait in line. Whereas 802.11ac MU-MIMO only works for downloads, EC4342Z MU-MIMO works with both uploads and downloads, making communication more efficient.

BBS Color marks frames from neighbor's networks, so that your router can ignore them and only focus on your network tasks. Which means your router became much more efficient by getting rid of extra works.

The EC4342Z router has built-in dual core processor. The two cores enable parallel processing and increase speeds when managing multiple instructions from your devices.

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PRODUCT FUNCTION

GPON Standards
- ITU-T G.984

Distance
- 20Km Max

Data Rates
- Upstream:1.25Gbps, Downstream:2.5Gbps

Wireless Standards
IEEE 802.11ax/ac/n/a 5 GHz
IEEE 802.11ax/n/b/g 2.4 GHz

Signal Rate:
5 GHz: 1201 Mbps(802.11ax),
2.4 GHz: 574 Mbps(802.11ax)

Quality of Service
- WMM, Bandwidth Control

PORT FORWARDING
- Virtual Server, Port Triggering, UPnP, DMZ

VLAN
- 802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode

Access Control
- Parental Control, Local Management Control, Host List, Access Schedule, Rule Management

Operation Frequency:
- 2.4GHz & 5GHz

Wireless Security:
- WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption

VOIP Standards:
- SIP (RFC3261), ITU-T G.729/G.722/G.711a/G.711

WAN Type
- Dynamic IP/Static IP/PPPoE

DHCP
- Server, Client, DHCP Client List, Address Reservation

Firewall Security
- DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding

VOIP Features
- Two RJ-11 FXS ports for connecting to analog telephones Call forwarding, Call waiting, Call block, 3-way conference call, etc.

Management
- Access Control Local Management Remote Management

Internet Protocol
- IPv4,IPv6

Interfaces:
- 1 x SC/APC GPON Port 4 x 10/100/1000Mbps LAN Port 2 x FXS Port 1 x USB3.0

Buttons:
- Power ON/OFF Button, WPS/WiFi Button, Reset Button

Power Supply:
- DC 12V 2A

Antenna:
- 4 x 5dBi fixed antennas

Dimensions (W X D X H):
- 232 x 124x 31mm

Environment
- Operating Temperature: 0°C~40°C (32°F~104°F)
- Storage Temperature: -40°C~70°C (-40°F~158°F)
- Relative Humidity: 10%~90%, non-condensing
- Storage Humidity: 5%~95%, non-condensing

Package Contents
- 1 x GPON Router
- 1 x Quick Installation Guide
- 1 x Power Adapter

Certifications
- CE, RoHS

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