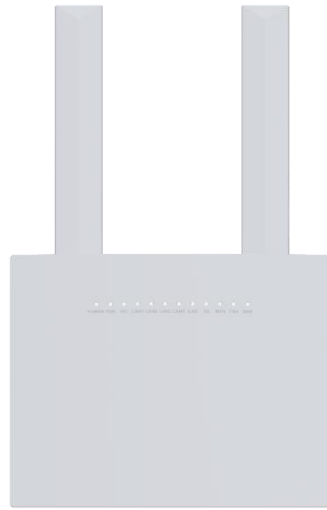


AZ548G

4GE AC1200 GPON HGU With Battery



Descriptions

The AZ548G is a gigabit dual-band GPON with battery inside which could work two hours without outside power supply. It supports 802.11ac technology, compatible with IEEE 802.11b/g/n and IEEE 802.11a networks. The Wi-Fi 2.4g maximum rate is 300Mbps and 5G maximum rate is 867Mbps. The full gigabit network ports enhance the home Internet experience, maximize the bandwidth at home, and make your wireless connection faster and wider to meet the needs of the booming multimedia applications.

Features

- GPON WAN port with 1.244Gbps uplink / 2.488Gbps downlink link speed ;
- 4x 10/100/1000BASE-T Ethernet RJ45 Ports ;
- Support 802.11n 2T2R speed up to 300Mbps ;
- Support 802.11ac 2T2R speed up to 866.7Mbps ;
- 2600mAh battery inside ;

Specifications

AZ548G Specifications	
CPU	900MHz Mips 1004Kc with dual-core
Chip model	RTL9607C-VB6
Memory	NAND FLASH 1Gbit(128MB)/DDR3 2Gbit (256MB)
WiFi Chip	2.4G: RTL8192FR, 5G: RTL8812FR
Bob Driver	GN25L95
GPON Protocol Specification	<p>Comply ITU-T G.984 GPON standard:</p> <p>G.984.1 general characteristics</p> <p>G.984.2 physical Media Dependent (PMD) layer specifications</p> <p>G.984.3 transmission convergence layer specifications</p> <p>G.984.4 ONT management and control interface specification</p> <p>Support DS/US transmission rate to 2.488 Gbps/1.244 Gbps</p> <p>Wavelength: 1490 nm downstream & 1310 nm upstream</p> <p>Comply with class B+ type PMD</p> <p>Physical distance reach to 20 km</p> <p>Support Dynamic Bandwidth Allocation (DBA)</p> <p>GPON Encapsulation Method (GEM) supports Ethernet packet</p> <p>Supports GEM header removal/insertion and data extraction/segmentation (GEM SAR)</p> <p>Configurable AES DS and FEC DS/US</p> <p>Support up to 8 T-CONs each with priority queues (US)</p>
Network Protocol Specifications	<p>802.3 10/100/1000 Base T Ethernet</p> <p>ANSI/IEEE 802.3 NWay auto-negotiation</p> <p>802.1Q VLAN tagging/un-tagging</p> <p>Support flexible traffic classification</p> <p>Support VLAN staking</p> <p>Support VLAN Intelligent Bridging and Cross Connect mode</p>

Interface	<p>WAN: One Giga optical interface (APC or UPC)</p> <p>LAN: 4*10/100/1000 auto MDI/MDI-X RJ-45 ports</p> <p>VOIP: 1*RJ-11</p> <p>USB: 1*USB2.0</p>
LED Indicators	Power, PON, LOS, INTERNET, 2.4GWLAN, 5GWLAN , LAN1-4, FXS, USB, WPS
WiFi Rate	<p>2.4G: 802.11n with 300Mbps</p> <p>5G: 802.11ac with 866.7Mbps</p>
Frequency Band	2.4 GHz frequency band 40MHz and 5.8 GHz frequency band 80MHz
Buttons	WPS/Reset/WLAN
Antennas	2.4G/5G 4dbi dual-band external antenna
Battery	2600mAh 18650 (5200mAh optional)
Power Supply	DC12V 1.0A
Product Size	165X135X55 mm(length X width X height)
Work Environment	<p>Working temperature: 0°C—40°C</p> <p>Working humidity: 5—95%</p>
Security	<p>WPA/WPA2, 64/128 bit WEP data encryption</p> <p>Firewall, Dos Protection</p>
WAN Networking	<p>Static IP WAN connection</p> <p>DHCP client WAN connection</p> <p>PPPoE WAN connection</p>
VOIP	<p>G.711A/μ, G.729, and G.722 encoding/decoding</p> <p>T.30/T.38/G.711 fax mode</p> <p>DTMF /Emergency calls (with the SIP protocol)</p>
Management	<p>Standard OMCI (G.984.4)</p> <p>Web GUI (HTTP/HTTPS)</p> <p>Firmware upgrade via FTP/TFTP/HTTP</p> <p>Telnet, Web, SSH</p> <p>CLI command via telnet/console</p> <p>Configuration backup/restore</p> <p>TR069</p>
Certification	CE/WiFi certification