

AZ545G

AX3000 GPON+CATV HGU



Descriptions

AZ545G GPON ONT is a new terminal level GPON ONT with catv, which is a variety of FTTB \ FTTH \ FTTO access ONT manufactured and supplied by AZROAD for carrier-grade FTTH network applications. It can support pure data, WIFI and many other service accessing type. AZ545G ONT supports standard OMCI, which provides up to 1.25Gbps uplink and 2.5Gbps downlink high-speed transfer rate. AZ545G supports 802.11AX dual band WiFi speed up to 3.0Gbps.

Features

- GPON WAN port with 1.244Gbps uplink / 2.488Gbps downlink link speed ;
- Active Ethernet WAN port with 1.25Gbps bi-direction link speed ;
- 4x 10/100/1000BASE-T Ethernet RJ45 Ports ;
- Support 802.11n/ax 2T2R speed up to 600Mbps ;
- Support 802.11ac/ax 2T2R speed up to 2400Mbps ;
- Support one catv port
- Support one voip port

Specifications

AZ541G Specifications	
CPU	1000MHz Arm A53 with dual-core
Chip model	EN7529CT+RT990
Memory	NAND FLASH 1Gbit(128MB)/DDR3 2Gbit (256MB)
WiFi Chip	2.4G&5G: MTK7916+MTK7976
Bob	EN7571
Specifications	
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 Base T Ethernet</p> <p>802.3u 100 Base TX fast Ethernet</p> <p>802.3z 1000 Base TX fast 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 port</p> <p>CATV: 1* RF port</p> <p>USB:1*USB2.0</p>
Frequency Band	2.4 GHz frequency and 5.8 GHz frequency
WiFi Rate	<p>2.4G: 802.11n/ax with 600Mbps</p> <p>5G: 802.11ac/ax with 2400Mbps</p>
LED Indicators	Power, PON, LOS, INTERNET, 2.4GWLAN, 5GWLAN , LAN1x4, FXS, USB, WPS, CATV
Antennas	2*2.4G&5G 5 dBi Dual band External antennas
Power Supply	DC12V 1.5A
Security	WPA/WPA2/WPA3, 64/128 bit WEP data encryption/Firewall, Dos Protection
WAN Networking	<p>Static IP WAN connection</p> <p>DHCP client WAN connection</p> <p>PPPoE WAN connection</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>Two-level administration privilege for web configuration</p> <p>Configuration backup/restore</p> <p>TR069</p>
Product Size	204.7X121.4X37.7 mm(length X width X height)
Work Environment	<p>Working temperature: -5°C—45°C</p> <p>Working humidity: 0—90%</p>