

ZX536G

4GE AX3000 GPON HGU





Descriptions

ZX536G GPON ONT is a new terminal level GPON ONT, which is a variety of FTTB \ FTTH \ FTTO access ONT manufactured . It can support pure data, WIFI and many other services accessing type. ZX536G ONT supports standard OMCI, which provides up to 1.25Gbps uplink and 2.5Gbps downlink high-speed transfer rate. ZX536G supports 802.11ax dual band Wi-Fi speed up to 2.4Gbps.

Features

- GPON WAN port with 1.244Gbps uplink / 2.488Gbps downlink link speed;
- 4x 10/100/1000BASE-T Ethernet RJ45 Ports;
- Support 802.11n/ax 2T2R speed up to 574Mbps;
- Support 802.11ac/ax 2T3R speed up to 2400Mbps;
- Support Voip;

Specifications

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CPU	1.0GHz ARM CA53 dual-core CPU, 256K L2 cache
Chip model	EN7529CT
Memory	NAND FLASH 2Gbit(256MB)/DDR3 4Gbit (512MB)
WiFi Chip	2.4G&5G: MTK7916AN+MTK7976DN
Bob Driver	EN7571N
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: 3*10/100/1000 auto MDI/MDI-X RJ-45 ports</p> <p>Voip:2*RJ-11 port</p>

	USB:1*USB3.0/USB2.0
LED Indicators	Power, PON/LOS, INTERNET, LAN4-1, 2.4G WLAN, 5G WLAN, WPS, USB, FXS1, FXS2
WiFi Rate	2.4G: 802.11n/ax with 574Mbps 5G: 802.11ac/ax with 2400Mbps
Frequency Band	2.4 GHz frequency band 40MHz and 5.8 GHz frequency band 160MHz
Buttons	WPS/WLAN/Reset
Antennas	2*2.4G 5dBi External antennas 3*5G 5dBi External antennas
Power Supply	DC12V 2A
Product Size	204.7X121.4X37.7 mm (length X width X height)
Work Environment	Working temperature: 0°C—40°C Working humidity: 5—95%
Security	WPA/WPA2/WPA3, 64/128bit WEP data encryption Firewall, Dos Protection
WAN Networking	Static IP WAN connection DHCP client WAN connection PPPoE WAN connection
VOIP	G.711A/μ, G.729, and G.722 encoding/decoding T.30/T.38/G.711 fax mode DTMF /Emergency calls (with the SIP protocol)
Management	Standard OMCI (G.984.4) Web GUI (HTTP/HTTPS) Firmware upgrade via FTP/TFTP/HTTP Telnet, Web, SSH CLI command via telnet/console Configuration backup/restore TR069
Certification	CE/WiFi certification