

AZ535G

10GE XGSPON SFU



Descriptions

The AZ535G is a 10GE XGSPON fiber optic modem, which is designed to meet the FTTH ultra-wide band access requirements of home and SOHO users. It supports NAT / firewall and other functions. It is based on stable and mature GPON technology with high cost-performance and layer 2 Ethernet switch technology. It is reliable and easy to maintain, guarantees QoS, and fully conforms to ITU-T g.9807 XGSPON standard.

Features

- XGS-PON WAN port with 10Gbps uplink / 10Gbps downlink link speed ;
- 1x 10M/100M/1G BASE-T Ethernet RJ45 Ports ;
- 1x 2.5G/5G/10G BASE-T Ethernet RJ45 Ports ;

Specifications

AZ535G 10GE Specifications	
CPU	1.3GHz Mips 1004Kc with dual-core
Chip model	EN7580ST
Memory	NAND FLASH 1Gbit(128MB)/DDR3 2Gbit (256MB)
Bob Driver	EN7573
PON Protocol Specification	<p>The XGS-PON(10G/10G)ITU-T G.9807.1 MAC supports the following features</p> <p>Supports data rate of:</p> <p>~10Gbps (9953 Mbps) downstream.</p> <p>~10Gbps(9953Mbps) upstream: Up to 256 GEM port-IDs.</p> <p>Up to 40 AllocIDs.</p> <p>Ranging and activation process support.</p> <p>Downstream characteristics:</p> <ul style="list-style-type: none">-Downstream AES-128 encryption and key exchange process.-Downstream FECRS (248216).-Dedicated independent queues for PLOAM and CPU packets. <p>Upstream characteristics:</p> <ul style="list-style-type: none">-Upstream AES-128 encryption and key exchange process.-Upstream FECRS (248216.)-Normal queues for PLOAM and CPU. <p>Support ToD synchronization perITU-TG.9807.1.</p> <p>Support ONU power saving operation perITU-TG.9807.1.</p>
Network Protocol Specifications	<p>ANSI/IEEE 802.3 NWay auto-negotiation</p> <p>802.1D bridging</p> <p>VLAN Translation</p> <p>IP ToS/DSCP to 802.1p mapping</p> <p>Class of Service based on UNI, VLAN-ID, 802.1p bit, and combination</p> <p>Marking/remarking of 802.1p</p> <p>IGMP v2/v3 snooping and IGMP snooping with proxy report</p> <p>Broadcast/Multicast rate limiting</p>

	802.1Q VLAN tagging/un-tagging Support flexible traffic classification Support VLAN Intelligent Bridging and Cross Connect mode
Interface	WAN: 1*10G optical interface (APC) LAN: 1*10M/100M/1G auto MDI/MDI-X RJ-45 ports 1*2.5G/5G/10G auto MDI/MDI-X RJ-45 ports
LED Indicators	Power, XGS-PON, LOS, INTERNET, 10GE, GE
Power Supply	DC12V 1.0A
Product Size	150X115X35mm (length X width X height)
Work Environment	Working temperature: -0°C—40°C Working humidity: 5—95%
Security	Firewall, Dos Protection
WAN Networking	Static IP WAN connection DHCP client WAN connection PPPoE WAN connection
Management	Standard OMCI (G.988) Web GUI (HTTP/HTTPS) Firmware upgrade via FTP/TFTP/HTTP Telnet, Web, SSH CLI command via telnet/console Two-level administration privilege for web configuration Configuration backup/restore TR069
Certification	CE/WiFi certification

Applications



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