ALPHA BRIDGE G/EPON ONT AM5000/1

Verified Service characteristics, Versatile IPv6 solution, Complete Security Mechanism.

Advanced Hardware Architecture and Industry-leading Port Density.

G/EPON

G/EPON (Ethernet Passive Optical Network) is a new type of optical access network technology that uses point-to-multipoint architecture and passive optical fiber transmission to provide a variety of services over Ethernet. It is also called EPON. A number of different deployment scenarios have emerged that effectively leverage many of the strengths of the PON topology.

• **Hospitality/healthcare**

- Deliver end users predictable and stable connectivity.
- Offer data, voice, and video with the same infrastructure.
- Point-to-multipoint distribution network for scale.
- Simple and stable deployment in spread-out areas.

• **Public sector**

- Offer critical service and security dependencies to make sure the services are performing without any attack - Offer data, voice, and video with the same infrastructure.
- Simple and stable deployment in spread-out areas.

• **Commercial buildings**

- Highly available network infrastructure with energy efficiency and space savings.
- Cope with constantly changing environments without rewiring or additional investment.
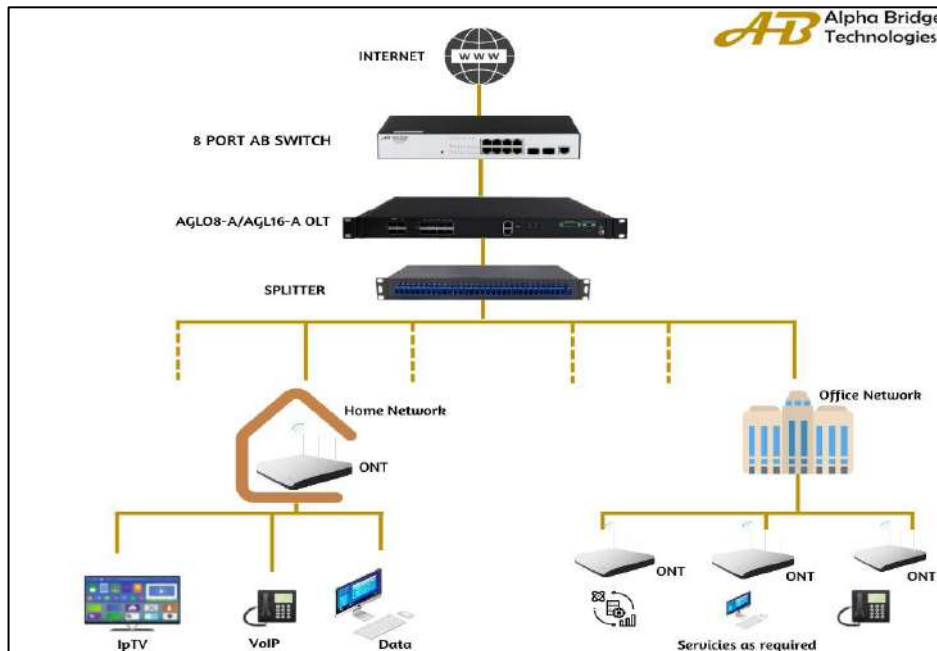
Product Overview

ABTPL's AM5000/1 is one of the latest G/EPON passive optical network communication terminal series, the product provides 1 10/100/1000M RJ45 interface, 1 optical fiber access, suitable for home and small business users, it can well meet the FTTH high-speed data transmission applications.

Interface function

- 1*G/EPON interface: SC/UPC/APC interface, Comply with GPON and EPON standards
- 1*Ethernet interface: 10/100/1000 Mbps, RJ-45, Comply IEEE802.3-2005 standard

Product Specifications

Hardware Parameters	
LED	POWER+PON/LOS+NET+LAN
Port	1*RJ45 (GE)
	1*Reset
	1*SC/APC (or SC/UPC)
	1*DC
Size	79.5*74.7*22mm(L*W*H)
Consumption	≤ 8W

Product Features

G/EPON	Environment	Layer 2 Features
ITU-T G.984.1-4, IEEE802.3ah, 15 TCONTs /256GEM ports, 8 Egress queues per TCONT at least, VLAN or VLAN plus priority gem mapping mode, SN/LOID/SN+ Password, authentication Performance, monitoring: eth/Gem port Dying gasp	Storage Temperature: -20 ^{O}C - 70 ^{O}C Operating Temperature: 0 ^{O}C - 45 ^{O}C Operating Humidity: 5%-95% (non-Condensing) Power Supply: 12V/1.5A	MAC learning (SVL)/aging Support max frame length to 1518 bytes VLAN tagging for untagged packets Support VLAN 1-4094 VLAN transparent/translation
Multicast	**Management**	
IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376) IGMP snooping	OMCI/Web UI/TR069, Telnet/SSH management with CLI commands Dual-system software backup and rollback	

Ordering Information

Item	Description
AM5000/1	1*RJ45 Ports, 1*Reset+1*Power, 1*SC/UPC (or SC/APC), 1*DC, DC Power Supply: 12V/1.5A