

ALPHA BRIDGE GPON ONT

ABONT-17A



Advanced Hardware
Architecture and Industry-
leading Port Density.



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

GPON

Gigabit Passive optical networks have been a staple for service providers worldwide but have primarily focused on fibre to the home and metro Ethernet residential deployments. 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

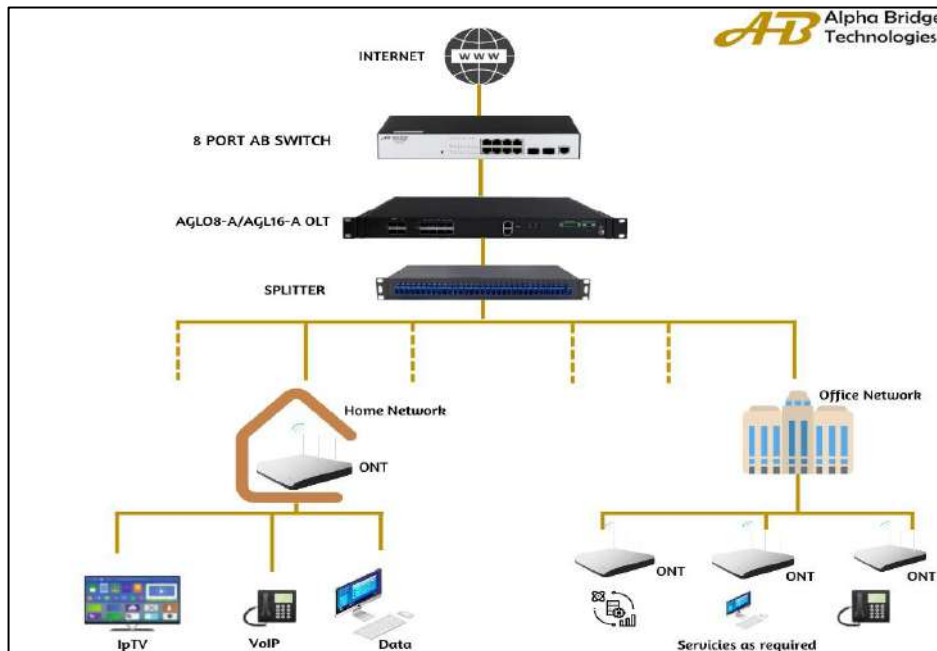
ABTPL's ABONT-17A is a GPON optical terminal access device that is highly integrated with dual-frequency Wi-Fi4. It is the end-product of optical fiber for operators. It supports ultra-bandwidth access through GPON upstream technology and provides users with basic WIFI functions, routing, and gigabit Ethernet functions. The upstream network ports of the ABONT-17A are GPON ports. The downstream user ports include four GE electrical ports, two USB port, two VOIP port and WiFi4 WLAN ports.

Interface function

- 1 * GPON interface: SC/APC interface, GPON standard
- 4 * Ethernet interface: 10/ 100/ 1000 Mbps, RJ - 45, IEEE802.3-2005 standard
- 2 * VOIP interface
- 2 * USB interface
- Single-band WiFi4(2.4G)

Product Specifications

Hardware Parameters		Wifi 4	
LED	POWER+PON/LOS+LAN+POTS+WiFi+ALM	WiFi protocol	2.4GHz supports 802.11b/g/n
Port	4*RJ45 (GE)		
	2*RJ11 (POTS)		
	1*Reset+1*Power+1*WPS		
	1*SC/APC		
	1*DC		
	2*USB		
Size	220mm*156mm*48.6mm(L*W*H)		
Consumption	16W		



Product Features

GPON standards	QoS	Security
ITU-T G.984/988, IEEE 802.1Q, IEEE802.1ad and q-in-1 double VLAN, Dying gasp	IEEE 802.3x flow control, IEEE 802.1p, CoS, 8 priority queue per port, Rate Limit	Per port MAC address limitation, Port storm control
PON interface	VLAN and Multicast	Management
Downlink 2.5Gbps/Uplink 1.25Gbps, Rx: 1490nm/Tx: 1310nm, Distance: 20KM, Sensitivity: -27dbm, Security: ONT authentication mechanism	Port based VLAN, Service based Vlan, IGMP-Snooping, MLD-Snooping	CLI, Web, Telnet and OMCI, Software upgrade through TFTP, web and OMCI
		Environment
		Operating Temperature: -5°C to 55°C, Power Supply: 12V

Ordering Information

Item	Description
ABONT-17A	4*RJ45 Ports, 2 RJ11 Port, 1*Reset+1*Power+1*WPS, 1*SC/APC, 2*USB, 1*DC, DC Power Supply: 12V/1.5A

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