

# ALPHA BRIDGE GPON ONT

## ABONT-23



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

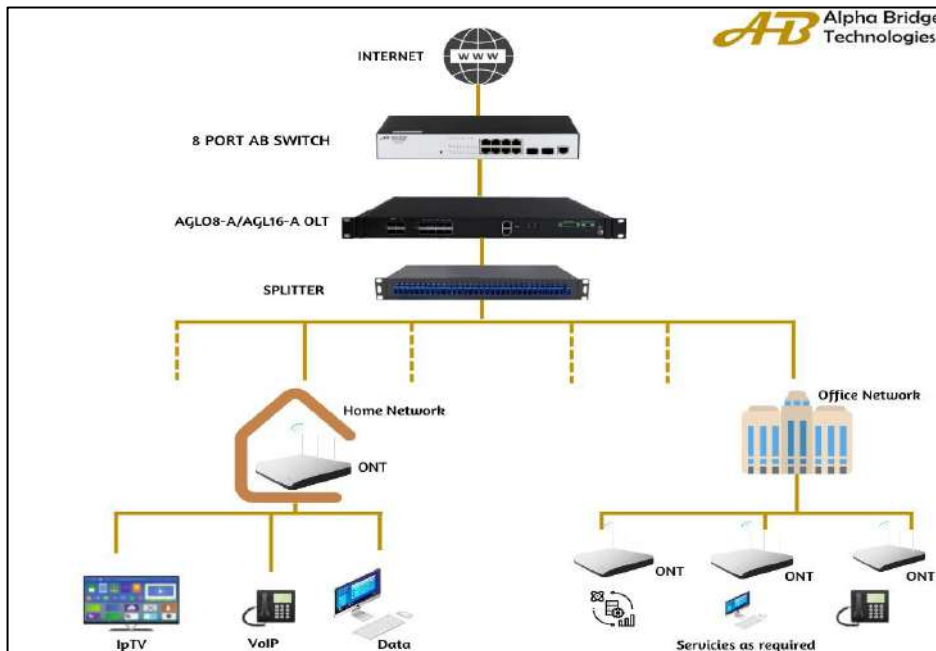
ABTPL's ABONT-23 is a GPON optical terminal access device that is highly integrated with dual-frequency Wi-Fi4. It is the end-product of optical fiber for operators. It supports ultra-bandwidth access through GPON upstream technology and provides users with basic WIFI functions, routing, and gigabit Ethernet functions. The upstream network ports of the ABONT-23 are GPON ports. The downstream user ports include two GE electrical ports and WiFi4 WLAN ports.

### Interface function

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

## Product Specifications

Hardware Parameters		Wifi 4	
LED	POWER+PON/LOS+LAN+WiFi+ALM	Wifi protocol	2.4GHz supports 802.11b/g/n
Port	2*RJ45 (GE)		
	1*Reset+1*Power +1*WPS		
	1*SC/APC		
	1*DC		
Size	155.7mm*106.6mm*33.2mm(L*W*H)		
Consumption	6W		



## 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-23	2*RJ45 Ports, 1*Reset+1*Power+1*WPS, 1*SC/APC, 1*DC, DC Power Supply: 12V/1.5A

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