

# ALPHA BRIDGE GPON ONT

## ABONT-28



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



Advanced Hardware Architecture and Industry-leading Port Density.

### 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

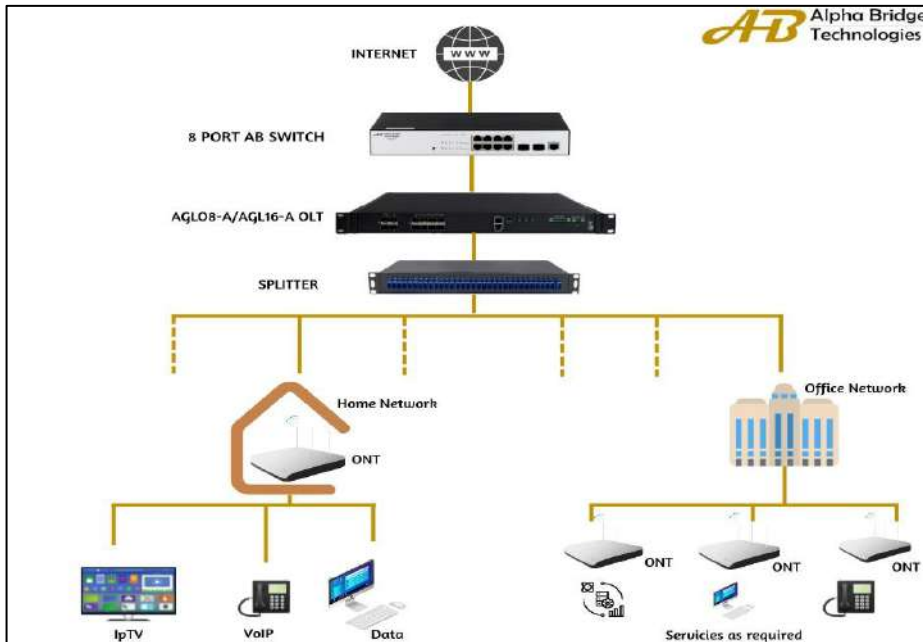
ABTPL's ABONT-28 is a GPON optical terminal access device that is highly integrated with dual-frequency Wi-Fi5. It is the end-product of optical fiber for operators. It supports ultra-bandwidth access through GPON upstream technology and provides users with basic WIFI functions, routing, and gigabit Ethernet functions. The upstream network ports of the ABONT-28 are GPON ports. The downstream user ports include four GE electrical ports, two USB port, two VOIP port and WiFi5 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: standard USB 2.0 interface
- Dual-band WIFI5(2.4G & 5G)

## Product Specifications

Hardware Parameters		Wifi 5	
LED	POWER+PON/LOS+LAN+POTS+WiFi+ALM	WiFi protocol	2.4GHz supports 802.11b/g/n 5GHz supports 802.11a/n/ac
Port	4*RJ45 (GE)	Antenna	dual-antenna MIMO (2.4G & 5G)
	2*RJ11 (POTS)		
	1*Reset+1*Power+1*WPS		
	1*SC/APC		
	1*DC		
	2*USB 2.0		
Size	180mm*125mm*38mm(L*W*H)		
Consumption	~14W		



## 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-28	4*RJ45 Ports, 2*RJ11 Port, 1*Reset+1*Power+1*WPS button, 1*SC/APC, 2*USB, 1*DC, DC Power Supply: 12V/1.5A

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