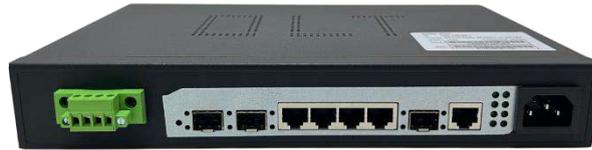# ALPHA BRIDGE 2 PORT GPON OLT WITH 1 OPTICAL UPLINK – (AGL-02-V2)

Verified Service characteristics.

Supports Layer-2 Functions.

Advanced Hardware Architecture and Industry-leading Port Density.

2×GPON
4×GE RJ45
1×10G SFP+

Product Overview

AGL-02 V2 is a small-capacity cassette GPON OLT, meeting the requirements of ITU-T G.984/G.988 Telecom GPON, with super GPON access capacity, carrier-class reliability and the complete security function. It can satisfy long-distance optical fiber access requirement on account of its excellent management, maintenance and monitoring capability, abundant service features and flexible network mode. AGL-02 V2 can be used with network management system so as to provide users with the comprehensive access and perfect solution.

AGL-02 V2 provides 2x downlink GPON port, 4×GE RJ45 and 1×10G SFP+ port. The height is only 1U for easy installation and space
saving. AGL-02 V2 is suitable for Broadcast three in one, video surveillance network, enterprise LAN, Internet of Things, etc.

Product Features

- Support flexible DBA, up and down traffic speed control
- Support port aggregation
- Support port-based traffic control, traffic shaping
- Support ONU automatic identification, auto-discovery, and auto-registration
- Support VLAN
- Flexible and controllable multicast support, support IGMP snooping
- Support Cloud Management

Product Advantages

• Uplink: support electrical and optical modules, can be flexibly configured according to different networking

• Optical link diagnosis: complete warning mechanism

• High reliability: supports dual power supply Dimension: 1U cassette save space, low power consumption

• Capacity: Each PON supports up to 128 terminals, the whole device supports up to 256 ONUS under full configuration

Product Specifications

Interface	2×GPON 4×GE RJ45 1×10G SFP+
PON	ITU.T G.984.x/G.988 Password authentication modes Terminal access up to 60km on a single fiber 1:128 split ratio on single PON port DBA algorithm, and the particle is for 64Kbit/s Standard OMCI management function ONU batch software upgrade PON port optical parameter detection Auto registration ONU bound with default profile
Flash	128MB
DDR	512MB
Size	285mm x 192mm x 44mm
Weight	<4kg
Management Port	Console port
Power Supply	AC:100V-240V 50/60Hz DC 12V
Redundancy Design	Dual power supply can be choose Support AC+DC input
Power Consumption	<10W
Platform Management Features	Device list Project management Version Release license management Permission management User management
Configuration and Management	CLI, WEB, SNMP, NMS and CLOUD Software and bootrom Upgrade by TFTP and FTP English command prompt Ping and Debug diagnosis User/Log/Alarm management
Status	PON Status Uplink Status

	Performance Monitor
	System Monitor
Environment	Operating temperature: -10°C~55°C
	Storage temperature: -40°C~70°C
	Storage humidity: 5%~95% (non-condensing)
L2 Function	Support VLAN
	Support Port mirror
	Support Storm control
	Support IGMP Snooping/proxy
	Support MAC Black Hole
	Support Port isolation
	Encryption of PON port transmitting data

Packing List

Product Model	Quantity
OLT	1pc
Serial Cable	1pc
Power Cable	1pc
Installation Accessories	1set
Warranty Card	1pc

Ordering Information

Item	Description
AGL-02-V2	2 * GPON port; 4 * 10/100/1000M Base-T; 1*1000M Base-X SFP/1*10GE SFP+; Dual power supply optional (AC+DC, DC+DC);