

BDCOM GPON OLT

Variants

GP3600-08B P3600-04

Details

8-Port GPON OLT with 10GE Uplink

The **8-Port GPON OLT** is a high-capacity optical line terminal designed for ISP, FTTH, FTTx, enterprise, campus, and telecom access networks. It provides eight GPON ports together with multiple Gigabit Ethernet and 10-Gigabit Ethernet uplink interfaces for reliable and scalable optical network deployment.

With a **176 Gbps backplane capacity**, 40K MAC address table, IPv4 and IPv6 routing support, dual power slots, and support for Class B+, C+, C++, and C+++ GPON SFP modules, the OLT is suitable for demanding broadband access and aggregation environments.

Quick Specifications

GPON Ports

8 Ports

10GE Uplink

4 × 10G SFP+

Backplane Capacity

176 Gbps

Power Slots

Dual Power

Key Features

Eight GPON access ports

Four 10-Gigabit Ethernet SFP+ uplink ports

Four 100/1000M SFP uplink interfaces

Four Gigabit Ethernet SFP/TX uplink interfaces

Supports Class B+, C+, C++ and C+++ GPON SFP modules

176 Gbps switching backplane capacity

IPv4 and IPv6 routing support

Up to 4,094 active VLANs

Store-and-forward switching architecture

Dual AC or DC power slots

Three-fan left-to-right cooling system

Standard 1U rack-mountable chassis

Interface Specifications

Parameter	Specification
GPON Ports	8
GE Uplink	4 × 100/1000M SFP + 4 × GE SFP/TX
10GE Uplink	4 × 10GE SFP+
Supported GPON SFP Modules	Class B+, Class C+, Class C++ and Class C+++
RJ45 Console Port	1
Mini-USB Console Port	1
Out-of-Band Management Port	1

System and Switching Performance

Parameter	Specification
DRAM	1024 MB
Flash Memory	32 MB
Backplane Capacity	176 Gbps
MAC Address Table	40K
Buffer Size	3 MB
Jumbo Frame	9 KB
IPv4 Routing Table	32K
IPv6 Routing Table	8K
Active VLANs	4,094

Parameter	Specification
SVI Number	512
Forwarding Mode	Store-and-Forward

Power and Cooling

Parameter	Specification
AC Input	90–264 V AC
DC Input	36–72 V DC
Power Slots	2
Maximum Power Consumption	60 W
Total Heat Output	204.8 BTU/hr
Fan Quantity	3
Airflow Direction	Left to Right
Noise Level at 25°C	Less than 45 dBA

Physical and Package Specifications

Parameter	Specification
Chassis Dimensions	442.5 × 304 × 44 mm
Chassis Weight	5.5 kg (Empty)
Package Dimensions	576 × 448 × 94 mm

Parameter	Specification
Package Weight	6.4 kg
Rack Installation	Standard 19-inch Rack Mount

Environmental Specifications

Parameter	Specification
Operating Temperature	0°C to 50°C
Operating Humidity	10%–85%, Non-Condensing
Storage Temperature	?40°C to 80°C
Storage Humidity	5%–95%, Non-Condensing
MTBF	95,000 Hours
Certifications	CE, FCC and RoHS

Standard Package

Power Cord

Power connection cable supplied with the OLT.

Rack-Mount Kit

Installation brackets for standard rack mounting.

Console Cable

Cable for local device configuration and management.

Applications

FTTH and FTTx Networks

Provides GPON access for residential, commercial, and enterprise subscribers.

Internet Service Providers

Suitable for high-capacity broadband access and subscriber management.

Enterprise and Campus Networks

Supports optical access for offices, schools, hospitals, hotels, and campuses.

Telecom Aggregation

Provides Gigabit and 10-Gigabit uplinks for network aggregation and backbone connectivity.

Installation Recommendation

Install the OLT in a properly ventilated standard 19-inch equipment rack.

Maintain clear left-to-right airflow and avoid blocking the cooling fans. Select the GPON SFP module according to the required optical power budget and network design. Use compatible uplink SFP or SFP+ modules, reliable grounding, and suitable AC or DC power protection for stable long-term operation.