



# BDCOM

## BDCOM GP3600 Series High-density Rack-mounted GPON OLT

## BDCOM GP3600 Series

### Product Overview

BDCOM GP3600 complies with ITU-T G.984/G.988 and meets requirements about GPON OLT in *Network Access Technical Requirements*. It fully supports CTC2.0, automatic discovery and cooperation with ONUs of different manufacturers.

BDCOM GP3600 supports the Asymmetric uplink 1.25Gbps/downlink 2.5Gbps PON transmission rate, efficient bandwidth usage and Ethernet services, helping carriers to provide reliable services to their users.

Its coupling ratio ups to 1:128, and its support of different hybrid ONU networks minimize the carrier's investment.

BDCOM GP3600, based on the edge-cutting technologies, is strong in functions. A few of its functions such as QoS guarantee, SLA and DBA can be easily listed out.



GP3600-08



GP3600-16

### Product Characteristics

- **GPON:** Abiding by ITU-T G.984/G.988, BDCOM GP3600 series OLT meets relevant requirements of GPON OLT regulated in *Network Access Technical Requirements* and China Telecom GPON Technical Requirements CTC2.0;
- **System Capacity:** GP3600 Series supports 8/16 GPON ports.
- **Uplink Interface:** GP3600 Series is equipped with 4 gigabit SFP ports, 4 gigabit combo ports and 4 10GE SFP+ ports.
- **Dimensions:** 1U, occupies a small space.
- **Environmental Protection:** low power consumption and low operating cost.
- **Bus Optical Fiber Protection:** the link can be automatically switched when trouble occurs in the optical fiber;

- Power Characteristics:** supports dual-AC, dual-DC and AC/DC power supply. The power supply supports modularized design, hot-swap and EMC-3 standard. It well adapts to the environment.

## Technical Parameters

Attributes		GP3600-08	GP3600-16
System Capacity		Maximum coupling ratio:1:128 Backplane bandwidth:205G MAC table capacity: 64K	
Interface	PON	8	16
	Uplink interface	8 GE ports (4 gigabit SFP ports, 4 gigabit TX/SFP combo ports) 4 10GE ports	
Attributes of the PON Interface		The transmission rate with downlink 2.5Gbps/uplink 1.25Gbps Class B <sup>+</sup> and Class C <sup>+</sup> GPON module Security: ONU authentication mechanism	
Standards		ITU-T G.984/G.988 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad physical link static/dynamic aggregation (LACP) Ethernet – II	
QoS		Backpressure flow control (half duplex) IEEE 802.3x flow control (full duplex) IEEE 802.1p, CoS WRR, SP and FIFO queue schedule Limiting the uplink/downlink rate based on each ONU DBA and SLA	
VLAN		Port-based VLAN, 4K VLAN QinQ and flexible QinQ	

Multicast	<p>L2 Multicast</p> <p>IGMP Snooping</p> <p>MLD Snooping</p>
Reliability	<p>Unidirectional Link Detection (UDLD)</p> <p>Hot swap of the GPON optical module</p> <p>Optical path protection of GPON (type B/C, hand-in-hand)</p> <p>Abnormal luminescence ONU detection such as long luminescence</p>
Network Security	<p>Limiting the maximum number of users on each port</p> <p>Port isolation</p> <p>Packet storm control</p> <p>Flow-based ACL access control function</p> <p>Transmission data encryption on the PON interface</p>
Configuration Management	<p>Various management modes such as CLI, SNMP and TELNET</p> <p>Conducting software upgrade through TFTP</p> <p>Debug output</p>
Physical Characteristics	Dimensions mm (W×D×H): 442.5x304x 44
	Installation: standard 19-inch rack-mounted
	Weight:5.25Kg
Environment	Operating environment: 0°C-45°C; 10%-85% non-condensing
	Storage environment: -40°C-80°C; 5%-95% non-condensing
Power Supply	<p>Input voltage: AC90 ~ 240V, DC 36 ~ 72V</p> <p>dual-power input, DC/AC power supply and hot-swap</p>

## Ordering Information

Model	Description
BDCOM GP3600-08	GPON OLT with 8 PON ports (1 console port, 1 out-band 10/100M port, 8 fixed PON ports (excluding the OLT SFP module), 4 gigabit SFP ports, 4 gigabit combo TX/SFP ports, 4 10G SFP+ ports; standard AC90~240V single power supply, expanded dual power supply, 19-inch rack-mounted installation)
BDCOM GP3600-08-DC	GPON OLT with 8 PON ports (1 console port, 1 out-band 10/100M port, 8 fixed PON ports (excluding the OLT SFP module), 4 gigabit SFP ports, 4 gigabit combo TX/SFP ports, 4 10G SFP+ ports; standard DC36V~72V, expanded dual power supply, 19-inch rack-mounted installation)
BDCOM GP3600-16	GPON OLT with 16 PON ports (1 console port, 1 out-band 10/100M port, 16 fixed PON ports (excluding the OLT SFP module), 4 gigabit SFP ports, 4 gigabit combo ports, 4 10G SFP+ ports; standard AC90~240V single power supply, expanded dual power supply, 19-inch rack-mounted installation)
BDCOM GP3600-16-DC	GPON OLT with 16 PON ports (1 console port, 1 out-band 10/100M port, 16 fixed PON ports (excluding the OLT SFP module), 4 gigabit SFP ports, 4 gigabit TX/SFP combo ports, 4 10G SFP+ ports; standard DC36V~72V single power supply, expanded dual power supply, 19-inch standard rack-mounted installation)
PWR-150-DC	OLT DC power supply (input voltage DC36V~72V, 150W max power)
PWR-150-AC	OLT AC power supply (input voltage AC90~240v, 150W max power)
OLT-GSFP-B+	OLT SFP module, Class B+ standard, downlink 2.5G/uplink 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface
OLT-GSFP-C+	OLT SFP module, Class C+ standard, downlink 2.5G/uplink 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface

**For More Information**

For more information about the **BDCOM P3600-16 Series**,  
please contact your local BDCOM account representative.

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