



# BDCOM

BDCOM GP3600 series  
High-density Rack-mounted GPON OLT

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

### 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.



**GP3600-16**



**GP3600-08**

### 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 maximum 16 GPON ports.
- **Uplink Interface:** GP3600 series with 4 gigabit SFP ports, 4 gigabit combo ports, and 4 10G 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		GP3600-16	GP3600-08
System Capacity		Maximum coupling ratio:1:128 Backplane bandwidth:205G MAC table capacity: 64K	
Interface	PON	16	8
	Uplink interface	4 gigabit SFP slots, 4 gigabit TX/SFP combo ports 4 10G SFP+ slots	
Attributes of the PON Interface		The transmission rate with downlink 2.5Gbps/uplink 1.25Gbps Class B+ and Class C+ 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	

	QinQ and flexible QinQ
Multicast	L2 multicast IGMP Snooping MLD Snooping
Layer-3 routing functions	Static routing, RIP and OSFP, OSFP/OSPFv3
Reliability	Unidirectional Link Detection (UDLD) Hot swap of the GPON optical module Optical path protection of GPON (type B/C, hand-in-hand) Abnormal luminescence ONU detection such as long luminescence
Network Security	Limiting the maximum number of users on each port Port isolation Packet storm control Flow-based ACL access control function Transmission data encryption on the PON interface
Configuration Management	Various management modes such as CLI, SNMP and telnet Conducting software upgrade through TFTP/FTP Debug output
Physical Characteristics	Dimensions mm (WxDxH): 442.5x304x 44 Installation: standard 19-inch rack-mount Weight:5.25Kg
Environment	Operating environment: 0°C-45°C; 10%-85% non-condensation Storage environment: -40°C-80°C; 5%-95% non-condensation
Power supply	Input voltage: AC90~240V, DC 36 ~ 72V dual-power input, DC/AC power supply and hot-swap

## Ordering Information

Model	Description
BDCOM GP3600-16	OLT with 1 console port, 1 out-band 10M/100M port, 16 fixed GPON ports(excluding the OLT SFP optical module), 4 gigabit SFP ports, 4 gigabit combo TX/SFP ports, 4 10GE ports, a standard AC90-240V power supply, expandable dual power supply, 19-inch rack-mounted installation
BDCOM GP3600-16-DC	OLT with 1 console port, 1 out-band 10M/100M port, 16 fixed GPON ports(excluding the OLT SFP optical module), 4 gigabit SFP ports, 4 gigabit combo TX/SFP ports, 4 10GE ports, a standard DC -36~-72V power supply, expandable dual power supply, 19-inch rack-mounted installation
BDCOM GP3600-08	OLT with 1 console port, 1 out-band 10M/100M port, 8 fixed GPON ports(excluding the OLT SFP optical module), 4 gigabit SFP ports, 4 gigabit combo TX/SFP ports, 4 10GE ports, a standard AC90-240V power supply, expandable dual power supply, 19-inch rack-mounted installation
BDCOM GP3600-08-DC	OLT with 1 console port, 1 out-band 10M/100M port, 8 fixed GPON ports(excluding the OLT SFP optical module), 4 gigabit SFP ports, 4 gigabit combo TX/SFP ports, 4 10GE ports, a standard DC -36~-72V power supply, expandable dual power supply, 19-inch rack-mounted installation
PWR-200-DC	GP3600-16 OLT DC power supply (input voltage DC -36V~-72V, max power 200W)
PWR-200-AC	GP3600-16 OLT AC power supply (input voltage AC 90~240V, max power 200W)
PWR-150-DC	GP3600-08 OLT DC power supply (input voltage DC -36V~-72V, max power 150W)
PWR-150-AC	GP3600-08 OLT AC power supply (input voltage AC 90~240V, max power 150W)

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 OLT**, please contact your local BDCOM account representative.

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