



BDCOM

BDCOM GP3600-16 Series High-density Rack-mounted GPON OLTs

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Product Overview

BDCOM GP3600-16 OLT series complies with ITU-T G.984/G.988 and meets requirements about GPON OLT in *Network Access Technical Requirements*. It fully supports CTC20/2.1, automatic discovery and cooperation with ONUs of different manufacturers.

BDCOM GP3600-16 Series supports the symmetric 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 GP3600-16 Series, 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.



BDCOM GP3600-16 Series

Product Characteristics

BDCOM GP3600-16 Series has following advantages:

- **GPON:** Abiding by ITU-T G.984/G.988, BDCOM GP3600-16 series meets relevant requirements of GPON OLT regulated in *Network Access Technical Requirements* and China Telecom GPON Technical Requirements-CTC2.0;
- **System Capacity:** GP3600-16 Series supports 16 GPON ports.
- **Uplink Interface:** GP3600-16 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 Series
System Capacity		Maximum coupling ratio:1:128 Backplane bandwidth:205G MAC table capacity: 64K
Interface	PON	16 GPON ports
	Uplink interface	8 GE interfaces (4 gigabit SFP ports, 4 gigabit combo ports) 4 10G ports
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 on the expanded slot Optical path protection of GPON (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 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 16 PON ports (1 console port, 1 out-band 10M/100M port, 16 fixed PON ports(excluding the OLT SFP optical module), 4 gigabit SFP ports, 4 gigabit combo ports, standard power supply AC90-240V, expandable dual power supply, 19-inch rack-mounted installation)
BDCOM GP3600-16-DC	OLT with 16 PON ports (1 console port, 1 out-band 10M/100M port, 8 fixed PON ports (excluding the OLT SFP optical module), 4 gigabit SFP ports, 4 gigabit combo ports, standard power supply DC36V~72V, 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)
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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