

GP3600 Series

High-density Pizza-box GPON OLT

Описание

BDCOM GP3600 соответствует ITU-T G.984 / G.988 и отвечает требованиям технических характеристик к сетевому доступу. Полностью поддерживает CTC2.0, автоматическое обнаружение и настройка ONU разных производителей.

Серия BDCOM GP3600 поддерживает асимметричный режим передачи по восходящему потоку 1.25Гбит\с по нисходящему 2.5Гбит\с. Эффективное использование полосы пропускания позволяет операторам предоставлять надежные услуги своим клиентам.

Коэффициент разветвления до 1:128, а поддержка различных гибридных сетей ONU сводит к минимуму затраты на инвестиции оператора.

BDCOM GP3600 Series поддерживает такие функции маршрутизации, как RIP, OSPF и BGP.



Характеристики

GPON: Разработан в соответствии с ITU-T G.984 / G.988

Емкость системы: Серия GP3600 поддерживает то 4 до 16 Gpon портов.

Uplink интерфейс : серия GP3600 оснащена 4 портами GE SFP, 4 комбинированными портами GE и 4 портами 10GE SFP +.

Габариты: Занимает 1U при монтаже в стойку .

Низкое энергопотребление и низкие эксплуатационные расходы..

Источник питания: поддерживает двойной источник питания переменного, постоянного и переменного / постоянного тока. Блок питания поддерживает модульную конструкцию, горячую замену и стандарт EMC-3.



Support 1.25Gbps uplink and 2.5Gbps downlink bandwidth



Efficient bandwidth usage and Ethernet services



The Splitting ratio ups to 1:128

Model Lists

GP3600-04

Pizza-box GPON OLT



- 1 console port
- 1 out-band 10/100M port
- 4 fixed PON ports
- 4 GE TX ports
- 4 10GE/GE SFP+ ports

GP3600-08

High-density Pizza-box GPON OLT



- 1 console port
- 1 out-band 10/100M port
- 8 fixed PON ports
- 4 10GE SFP+ ports
- 4 GE SFP ports
- 4 GE TX/SFP combo ports

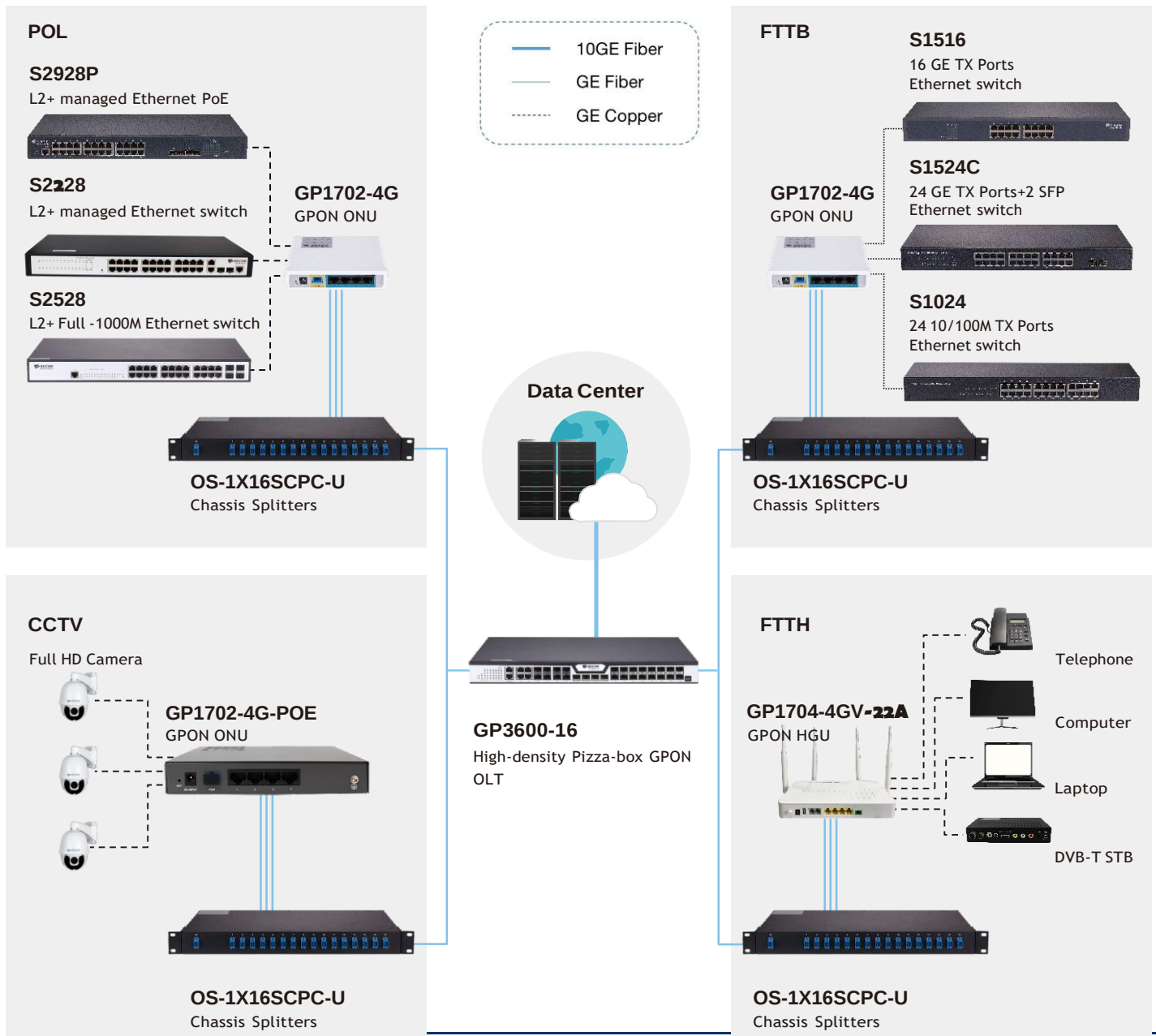
GP3600-16

High-density Pizza-box GPON OLT



- 1 console port
- 1 out-band 10/100M port
- 16 fixed PON ports
- 4 10GE SFP+ ports
- 4 GE SFP ports
- 4 GE TX/SFP combo ports

Application Diagram



System Performance

Item	GP3600-04	GP3600-08	GP3600-16
Service interface			
PON ports	4	8	16
GE uplink	4 GE TX	4 100/1000M SFP + 4 GE SFP/TX	4 100/1000M SFP + 4 GE SFP/TX
10GE uplink	4 10GE/GE SFP+	4 10GE SFP+	4 10GE SFP+
Supported GPON SFP module	Class B+, Class C+, Class C++		
Management interface			
RJ45 console	1		
Mini-USB console	1		
Out-of-Band	1		
System capacity			
DRAM (MB)	1024		
Flash (MB)	32		
Backplane (Gbps)	176		
MAC table	40K		
Buffer size (MB)	3		
Jumbo frame (KB)	9		
IPv4 routing table	32K		
IPv6 routing table	8K		
Active VLAN	4,094		
SVI number	512		
Forwarding mode	Store-and-forward		

Technical Specifications

Standards

- ITU-T G.984/G.988
- IEEE 802.11D, Spanning Tree
- IEEE 802.1Q, VLAN
- IEEE 802.1w, RSTP
- IEEE 802.3ad physical link static/dynamic aggregation (LACP), Ethernet - II

VLAN

- Port/IP/Protocol/MAC-based VLAN
- 4K VLAN
- QinQ and flexible QinQ

Multicast

- L2 multicast
- IGMP snooping
- MLD snooping
- Fast-leave

Layer 3 Function

- Static route
- RIPv1/v2
- OSPF
- BGP

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

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
- IEEE 802.3ad LACP

DHCP Function

- Server/Relay/Client
- DHCP snooping
- DHCP option 66,67,82
- DAI
- IP source guard

Network Security

- L2~4 ACL
- Flow-based ACL
- MAC limitation
- MAC sticky
- Port isolation
- Packet storm control
- Transmission data encryption on the PON interface
- Anti attack for DDOS, TCP-SYN-flood, UDP-flood, ARP-flood, etc.

Management

- Various management modes such as CLI, Telnet, SSH, HTTP, SSL and SNMP
- ISSU
- FTP/TFTP
- SPAN/RSPAN
- NTP

Network Availability

- STP/RSTP/MSTP
- BPDU guard
- EAPS

Physical Characteristics

Item	GP3600-04	GP3600-08	GP3600-16
Power supply			
AC (V)	90 ~ 264		
DC (V)	36~72		
Power slots	2		
Max. consumption (W)	50	60	70
Total output BTU (note: 1000 BTU/hr = 293W)	170.6	204.8	238.9
Cooling system			
Fan number	3		
Air-flow	Left-right		
Noise@25°C(dBA)	< 45		
Appearance			
Dimensions(WxDxH mm)	442.5 x 304 x 44	442.5 x 304 x 44	442.5 x 304 x 44
Chassis			
Weight (Kg)(empty)	5.3	5.5	5.6
Dimensions(WxDxH mm)	576 x 448 x 94	576 x 448 x 94	576 x 448 x 94
Package			
Weight (Kg)	6.2	6.4	6.5
Environmental specifications			
Temperature	0~50°C		
Humidity (non-condensing)	10%~85%		
Accessories			
Parts	Power cord rackmount kits console cable		
Reliability			
MTBF (Hr)	95,000		
Certification	CE, FCC, ROHS		

Ordering Information

Model	Description
BDCOM GP3600-04	GPON OLT with 4 PON ports (1 console port, 1 out-band 10/100M port, 4 fixed PON ports (excluding the OLT SFP module), 4 GE TX ports, 4 10GE SFP+ ports; 2 power slots with 1 hot-swap AC220V power supply; 19-inch rack-mounted installation)
BDCOM GP3600-04-DC	GPON OLT with 4 PON ports (1 console port, 1 out-band 10/100M port, 4 fixed PON ports (excluding the OLT SFP module), 4 GE TX ports, 4 10GE SFP+ ports; 2 power slots with 1 hot-swap DC36~72V power supply; 19-inch rack-mounted installation)
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 GE SFP ports, 4 GE TX/SFP combo ports, 4 10GE SFP+ ports; 2 power slots with 1 hot-swap AC220V 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 GE SFP ports, 4 GE TX/SFP combo ports, 4 10GE SFP+ ports; 2 power slots with 1 hot-swap DC36~72V 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 GE SFP ports, 4 GE TX/SFP combo ports, 4 10GE SFP+ ports; 2 power slots with 1 hot-swap AC220V 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 GE SFP ports, 4 GE TX/SFP combo ports, 4 10GE SFP+ ports; 2 power slots with 1 hot-swap DC36~72V power supply; 19-inch standard rack-mounted installation)
PWR-75-DC	Hot-swap DC power supply for OLT (Max Power 75W, DC-36 ~ -72V input)
PWR-75-AC	Hot-swap AC power supply for OLT (Max Power 75W, AC100~240V input)
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
OLT-GSFP-C++	OLT SFP module, Class C++ standard, downlink 2.5G/uplink 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface