

# GPON OLT

GPON OLT , 8 GE ports , 4 x 10GE SFP+ ports



## FEATURE

- GPON: Abiding by ITU-T G.984/G.988, meets relevant requirements of GPON OLT regulated in Network Access Technical Requirements and China Telecom GPON Technical Requirements CTC2.0;
- System Capacity: supports 8 GPON ports.
- Uplink Interface: 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;
- Support power-off alarm function, easy for link problem detection;
- Support broadcasting storm resistance function;
- Support port isolation between different ports;
- Support RSTP, IGMP Proxy;



## OVERVIEW

FO-7308GB 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.

FO-7308GB 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 supports maximum splitter ratio 1:128, and its support of different hybrid ONU networks minimize the carrier's investment.

FO-7308GB 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.

## SPECIFICATION

Parameter	Specifications
System Capacity	GPON ITU-T G.984.x
PON	8
Uplink interface	8 GE ports (4 gigabit SFP ports, 4 gigabit TX/SFP comboports) 4 10GE SFP+ 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, 4K VLAN QinQ and flexible QinQ
Multicast	L2 Multicast, IGMP Snooping, MLD Snooping
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 longluminescence
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 (W×D×H): 442.5×304× 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	Input voltage: AC90 ~ 240V, DC 36 ~ 72V dual-power input, DC/AC power supply and hot-swap

## ORDER INFORMATION

PRODUCT	PART NUMBER
GPON OLT , 8 GE ports , 4 x 10GE SFP+ ports	FO-7308GB