

8-Port GPON OLT with 4 × Gigabit Combo, 4 × 1G SFP and 4 × 10G SFP+ Uplink Ports

1U Rack Mount, Optical Access & FTTx Network



Overview

OLT3610-08GP4S GPON Optical Line Terminal (OLT) consists of 8× GPON ports, 4× GE COMBO ports, 4× GE SFP PORTS, 4× 10GE SFP+ ports, 1× CLI port, and 1× MGMT port. It is easy to install and maintain a GPON deployment. With FS's GPON Optical Network Unit (ONU), the OLT3610-08GP4S can provide highly-effective GPON solutions and convenient management for broadband networks.

FS's GPON OLT3610-08GP4S provides a high bandwidth of up to 1.25Gbps upstream and 2.5Gbps downstream, long-distance coverage of up to 20km between equipment nodes, and flexibility for network deployment. It is a cost-effective access technology with a reliable and scalable network for triple-play service applications.

Highlights

- Up to 1.25Gbps Upstream and 2.5Gbps Downstream
- G.984/988 Standards Ensure Compatibility with Mainstream ONU Equipment
- Each PON Port Supports up to 128 ONUs
- Support QoS and DBA for Service Quality Guarantee
- Support CLI/WEB/SNMP/TELNET for Flexible Operation
- Maximum Transfer Distance of Up to 20km

Product Specifications

Parameter	Description
PON Ports	8x GPON Ports
Uplink Ports	4x 1G RJ45/SFP Combo, 4x 1G SFP, 4x 10G SFP+
Transmission Speed	Downstream 2.5Gbps, Upstream 1.25Gbps
Optical Split Ratio	Up to 128
Maximum Transmission Distance	20KM
Multicast	L2 multicast IGMP snooping MLD snooping Fast-leave
VLAN	Port/IP/Protocol/MAC-based VLAN 4K VLAN QinQ and flexible QinQ
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
Operating Temperature	0°C to 50 °C (32°F to 122°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Management Types	WEB, CLI, SNMP, and TELNET
Power Supply	Dual Power, 100VAC~240VAC
Dimensions (HxWxD)	1.75"x17.52"x11.81" (44.5x445x300mm)
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

Product Specifications

Parameter	Description
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
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
Layer 3 Function	Static route RIPv1/v2 OSPF BGP
Network Availability	STP/RSTP/MSTP BPDU guard EAPS