

GEPON OLT



GOLT1000 Optical Line Terminal (OLT) provides a direct optical interface to the Ethernet/IP network core. Together with Greatway's GONU1000 Optical Network Unit (ONU), it completes the end-to-end optical last mile with up to 1 Gbps of bandwidth to residential and business customers. GOLT1000 consists of 4 PON cards, each card with 2 PON links, total up to 8 PON links. Each PON link delivers 1 Gbps of shared bandwidth between up to 32 subscribers within 20Km reach. GOLT1000 serves a maximum of 256 subscribers from 19" 2RU chassis. With layer 2 switching capability, GOLT1000 has up to 8 optical or electrical gigabit uplink ports.

Features:

- | 19" 2RU Chassis, supporting maximum 256 ONU
- | Meet IEEE802.3ah standards
- | One Network Management and Switching Slot and 4 GEPON Slots
- | Each PON link supporting 32 splits, 20Km reach
- | Up to 8 uplink Electrical port or optical ports
- | Layer 2 switching capability, Auto provision of ONU, DBA
- | System Management: SNMPv1&v2, Telnet; WEB; Console; supporting in-band and out-of-band management
- | User friendly management software
- | Main and standby power supply
- | MTBF>100,000 hours
- | User Authentication: 802.1x; PPPOE Transit
- | Temperature, Fan and power supply status monitoring and alarm
- | Online software upgrade available

Specifications:

GOLT1000MC Main Chassis	
Dimension	483mm(W) × 420mm(D) × 88mm(H)
Weight	6 Kg
Power Consumption	Max. 100W
Power Module	
Slot Number	2
Power Supply	-48V DC or 100~240V AC
Network Management Card	
Slot Number	1
Console Interface	RS232C RJ45
LAN Interface	RJ45 10/100Base-T
Uplink Interface	8 Ports (SFP or RJ45)

Optic Fiber	Single Mode or Multimode
Fiber Connector	LC/UPC
GEPON1000 Card	
Maximum capacity	4
PON Port per card	Two 1 Gbps PON Ports
Standards	IEEE802.3ah
Optical Fiber	Single Mode Fiber
Fiber Connector	SC/UPC
Maximum ONU Number each PON Link	32
Data Rate	1Gbps uplink and downlink
Optical Transmitting Power at 1490nm	+2~+7dBm
Optical Receiving Sensitivity at 1310nm	-29dBm
Wavelength	Tx: 1490 nm; Rx: 1310 nm
Layer 2 Switching	4 Uplink GE ports converging IGMP Snooping V1/V2 1024 VLAN (IEEE802.1Q) IEEE802.1p RSTP Tree (IEEE 802.1w)
Security	Access Control List and AES-128
User Authentication	Support IEEE 802.1x, PPPOE Transit
System Management	SNMPv1&v2, Telnet, WEB, Console In-band and out-of-band management EMS Auto Provision of ONU Temperature, Fan and Power Alarms
Environment	
Working Temperature	-5 °C ~ 50 °C
Storage Temperature	-40 °C ~ 80 °C
Humidity	5% ~ 95% non-condensing
RoHS	Compatible

Ordering Information:

GOLT1000-N (GOLT1000MC+N GEPON1000 cards)

GOLT1000MC: 19" 2RU Chassis with 2 power supplies, uplink ports, layer 2 switching and management

GEPON1000: Plug and play card with two PON link ports

N=1, 2, 3, 4