Standalone GPON OLT - GOLT2000

GOLT2000 GPON OLT has a compact design: 8pon ports, 8 GE uplink optic ports, 8 GE uplink electric ports in one 19" 1RU rack. Each PON port maximum optical coupling ratio is 1:128, up to 1024 GPON ONTs for GOLT2000. GOLT2000 complies with ITU G.984.x and FSAN standards. The down link band width is 2.5Gbps and uplink bandwidth is 1.25Gbps.

Features:

*Comply with ITU-T G.984/G.988 standard

*Support OMCI remote management of ONT/ONU

*Compatible with ITU-984.4 OMCI protocol

*Standalone 1U 8PON compact design

GOLT2000 provides 8 GPON ports, 8 uplink GE optical ports + 8 uplink GE electric ports, 10 Gigabit card expansion slot provides 2*10Gigabit SFP+ uplink port. Each PON port supports 128 ONT, total 1024 ONT for one chassis. Support dual power supply redundancy, 220VAC and -48VDC mixed.

*Layer 2 Switcher

GOLT2000 has powerful layer 2 switching capacity and complete layer 2 protocol. Supporting the exchange, isolation and One By One working mode.

Support port aggregation, VLAN, port speed, queue, flow control and ACL rich function.

Support multi-service fusion.

*The QOS security

GOLT has complete DBA function and excellent ability of QoS service. DBA provides a variety of QoS for the GPON system by means of four types of bandwidth and five types of T-CONT. It can meet different business flow of time delay, jitter and packet loss rate of different QoS requirements.

*Easy-to-use management system

Support CLI and SNMP management.

Complying with OMCI standard

Realizing the business management through OMCI channel protocol: the ONT function parameters, type, number of T-CONT business, QoS parameter, configuration request information, performance statistics, automatic notification running event system, the realization of OLT on ONT configuration, fault diagnosis, performance and security management.

Specification:

Item		GOLT2000
Chassis	Rack	19" 1RU
	Slots	1*10 Gigabit uplink card slot 2 power module slot
Uplink Port	Copper	8*10/100/1000M auto-negotiable
	SFP	8 SFP slots (1000BASE-TX interface)
	10GE card	2 SFP (optional)
PON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Type	ITU-TG.984.2 Class B+　(Class C+ optional)
	Max splitting ratio	1:128
Management Ports		1 10BASE-TX out band port 1 CONSOLE port
PON Port Specification (Class B+) (Class C+ available on request)		Transmission Distance: 20KM Downstream Data Rate: 2.5Gbps Upstream Data Rate: 1.25Gbps Wavelength: 1490nm TX,1310nm RX Connector: SC/UPC Fiber Type: 9/125μm SMF TX Power: +1.5～+5dBm Rx Sensitivity: -28dBm Saturation Optical Power: -8dBm
Management Mode		SNMP, Telnet, CLI
Management Function		Support for state monitoring, configuration management, equipment log, equipment upgrades, equipment management, user management.Layer-2 switch configuration such as Vlan, Trunk, RSTP, IGMP, QOS, etc. PON management function: DBA, ONT authorization, ACL, QOS, etc. Online ONT configuration and management. User management. Alarm management
Dimension		440mm(L)*391mm(W)*44mm(H)
Weight		4kg
Power Supply	220VAC	AC: 90V~240V, 47/63Hz
	-48DC	DC: -36V~ -72V
Power Consumption		65W
Operating Environment	Working Temperature	0~50℃
	Storage Temperature	-40~85℃
	Relative Humidity	5~90%(non condensing)

Ordering information

Product Name	Model	Product Description
Standalone OLT	GOLT2000	8PON GPON OLT 1U chassis, 8 GE uplink optic ports, 8 GE uplink electric ports, 220VAC or -48VDC plug-in power modules, supports dual power configuration, optional 10Gbit uplink port
Ethernet SFP optical module	SFP-GFX-D20	Gigabit Ethernet SFP optical module, dual SM 20KM fiber
OLT SFP module	OLT-SFP-B+	ITU-TG.984.2 Class B+
OLT SFP module	OLT-SFP-C+	ITU-TG.984.2 Class C+
10Gb uplink card	GW1502GX	2*10Gb uplink interface, can be installed in the GOLT2000 frame