DIGISOL GPON OLT

DG-GO4300 Series

1 YEAR WARRANTY*

Key Features:-

- STP/RSTP
- IGMP Snooping
- VLAN Translation/Q-in-Q
- Port Aggregation
- Dynamic Bandwidth Allocation
- DHCP Snooping
- ACL
- Port Mirroring

Introduction:-

DIGISOL DG-GO4308-14E2SFPP series GPON OLT products are 1U height 19 inch rack mount product. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLT can be used for "Triple-Play", IP Camera, Enterprise LAN and ICT applications.LAN and ICT applications.

DG-GO4308-14E2SFPP provides 8GE (copper) and 6 SFP & 2 SFP+ slots independent interfaces for uplink and 8* PON ports with each port supporting 128 ONUs under 1:128 split ratio.

Item		DG-GO4308-14E2SFPP
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	16
	Copper 10/100/1000M auto-negotiation	8
	SFP / SFP+	6 SFP & 2 SFP+
GPON Port	QTY	8
	Physical Interface	SFP Slot
	Connector Type	Class C+
	Max splitting ratio	1:128
Management Ports	1*10/100BASE-T out-band port, 1*CONSOLE port	
PON Port Specification	Maximum PON Transmission Distance	60KM
	GPON port speed	Upstream 1.244 Gbps, Downstream 2.488 Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/PC
	Fiber Type	9/125µm SMF
	TX Power	+3dBm ~ 7dBm
	Rx Sensitivity	-30dBm
	Saturation Optical Power	-12dBm
Management Mode		SNMP, Telnet , CLI, WEB

Technical Specifications:-

Management Function
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONT configuration and management
- User management
- Alarm management

Layer2 Switch
- 16K Mac address
- Support 4096 VLANs
- Support port VLAN and protocol VLAN
- Support VLAN tag/Un-tag, VLAN transparent transmission
- Support VLAN translation and QinQ
- Support storm control based on port
- Support port isolation
- Support port rate limitation
- Support 802.1D and 802.1W
- Support static LACP
- QoS based on port, VID, TOS and
- MAC address
- Access control list
- IEEE802.x flow control
- Port stability statistic and monitoring

Multicast
- IGMP snooping
- 256 IP Multicast Groups;

DHCP
- DHCP server
- DHCP relay
- DHCP snooping

Layer 3 Route
- Arp proxy
- Static route
- 1024 hardware Host Routes
- 512 hardware Subnet Routes

GPON Function
- Tcont DBA
- Gemport traffic
- In compliant with ITUT984.x standard
- Up to 60KM transmission Distance
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support ONT auto-discovery/link detection/remote upgrade of software
- Support VLAN division and user separation to avoid broadcast storm
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Support port isolation between different ports
- Support ACL and SNMP to configure data packet filter flexibly

- Specialized design for system breakdown prevention to maintain stable system
- Support RSTP, IGMP Proxy

Dimension (L*W*H)
- 442mm*220mm*43.6mm

Weight
- 2.8kg

Power Supply Options
- Single Power Supply (AC 100~240 V, 50/60 Hz)

Power Consumption
- 45W

Working Temperature
- 0°C ~+50°C

Storage Temperature
- -40~+85°C

Relative Humidity
- 5~90% (non-conditioning)

Ordering Information:-

DG-GO4308-14E2SFPP : DIGISOL GPON OLT with 8 PON SFP Ports , 8 GIGA Ethernet Ports and 6 GIGA SFP Ports and 2 GIGA SFP+ Ports.

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