



# DIGISOL®

## FTTH SOLUTIONS

### DIGISOL GPON OLT

### DG-GO4308-6E2SFPP



#### Key Features:-

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



#### Introduction:-

DIGISOL DG-GO4308-6E2SFPP GPON OLT is an 1U height 19 inch rack mount product which is small, convenient & easy to deploy. Achieves industry standard performance and Ideal to be deployed in compact server room environments.

DG-GO4308-6E2SFPP provides 4GE (copper) , 2 SFP & 2 SFP+ slots independent interfaces for uplink and 8\* PON ports with each port supporting maximum of upto 128 ONUs under the 1:128 split ratio.

Item		DG-GO4308-6E2SFPP
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	8
	RJ45 (GE)	4
	SFP (GE)	2
	SFP+ (10GE)	2
GPON Port	QTY	8
	Physical Interface	SFP Slots
	Max splitting ratio	1:128
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0
Backplane Bandwidth (Gbps)		104
Port Forwarding Rate (Mpps)		65.472
PON Port Specification	Transmission Distance	20KM
	GPON port speed	Upstream 1.244 Gbps, Downstream 2.488 Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/UPC
	Fiber Type	9/125µm SMF
	Supported PON module level	Class B+, C, C+, C++, C+++
Management Mode		EMS, WEB, SNMP, Telnet, CLI



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### Technical Specifications:-

#### Management Function

- SNMP, Telnet, CLI, WEB, SSH v2;
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONT configuration and management
- User management
- Alarm management

#### Layer2 Switch

- 32K Mac address
- Support 4096 VLANs
- Support port 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, Dynamic 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
- 2048 IP Multicast Groups

#### DHCP

- DHCP server, DHCP relay, DHCP snooping
- DHCP option82

#### Layer 3 Route

- ARP proxy
- 4096 hardware Host Routes, 512 hardware Subnet Routes
- Support 802.1X, Radius, Tacacs+
- Support IP source guard
- Support static route, Dynamic route RIP v1/v2, RIPng and OSPF v2/v3

#### IPv6

- Support NDP;
- Support IPv6 Ping, IPv6 Telnet, IPv6 routing
- Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc.
- Support MLD v1/v2 snooping (Multicast Listener Discovery snooping)

#### GPON Function

- Tcont DBA
- Gempport traffic
- In compliant with ITU-T984.x standard
- Up to 20KM 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 (LxWxH)

- 442mm x 319mm x 43.6mm

#### Weight

- Net weight of single power: 4.05kg
- Gross weight of single power: 5.65kg

#### Power Consumption

- 45W

#### Working Temperature

- 0°C ~ +50°C

#### Storage Temperature

- -40°~+85°C

#### Relative Humidity

- 5~90% (non-condensing)

### Ordering Information:-

**DG-GO4308-6E2SFPP** : DIGISOL GPON OLT with 8 PON SFP Ports , 4 GIGA Ethernet Ports and 2 GIGA SFP Ports and 2 GIGA SFP+ Ports.

\*Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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