



**DIGISOL**®

**FTTH SOLUTIONS**

## DIGISOL GEAPON OLT

### DG-GO4200 Series

#### Key Features:-

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



#### Introduction:-

DIGISOL DG-GO4200 series EPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy to deploy and high performance. It is appropriate to be deployed in compact room environment. The OLT's can be used for "Triple-Play", VPN, IP Camera, Enterprise LAN and Internet service provider applications.

DG-GO4204-8E provides 4GE(copper) and 4SFP slots independent interface for uplink, and 4\*EPON OLT ports for downstream. It can support overall 256 ONU's with 64 ONU's per PON port.

DG-GO4208-12E4SFP provides 8GE(copper) and 8SFP slots independent interface for uplink, and 8\*EPON OLT ports for downstream. It can support overall 512 ONU's with 64 ONU's per PON port.

#### Technical Specifications:-

##### Management Ports

- 1\*10/100BASE-T out-band port,
- 1\*CONSOLE port

##### PON Port Specification

- Transmission Distance: 20KM
- EPON port speed Symmetrical 1.25Gbps
- Wavelength: TX-1490nm, RX-1310nm
- Connector: SC/PC
- Fiber Type: 9/125µm SMF
- TX Power: +2dBm ~ +8dBm
- Rx Sensitivity: -27dBm
- Saturation Optical Power: -6dBm

##### Management Mode

- SNMP, Telnet, CLI, WEB, SSH v1/v2

##### Management Function

- Fan Group Control
- Port Status monitoring and configuration management;
- Online ONU configuration and management;
- User management
- Alarm management

##### Layer2 Switch

- Support port VLAN and protocol VLAN

- Support 4096 VLANs
- Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ
- Support IEEE802.3d trunk
- Support RSTP
- QoS based on port, VID, TOS and MAC address
- IEEE802.x flow control
- Port stability statistic and monitoring
- Support P2P Function

##### Multicast

- Support IGMP



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#### Technical Specifications:-

##### EPON Function

- Support port-based rate limitation and bandwidth control;
- In compliant with IEEE802.3ah standard;
- Up to 20KM transmission Distance;
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc;
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/link detection/remote upgrade of software;
- Support VLAN division and user separation to avoid broadcast storm;
- Support various LLID configuration and single LLID configuration;
- Different user and different service could provide different QoS by means of different LLID channels;
- 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.

Item		DG-GO4204-8E	DG-GO4208-12E4SFPP
Chassis	Rack	1U 19 inch standard box	1U 19 inch standard box
1000M Uplink Port	Port count	8	16
	Copper	4*10/100/1000M auto-negotiation	8*10/100/1000M auto-negotiation
	SFP (independent)	4 SFP/ SFP+	4*SFP and 4SFP+(SFP+ supports 10GE)
EPON Port	QTY	4	8
	Physical Interface	SFP Slots	SFP Slots
	Connector Type	1000BASE-PX20+	1000BASE-PX20+
	Max splitting ratio	1:64	1:64
Dimension (LxWxH)		442x200x43.6mm	442x320x43.6mm
Weight		3.2kg	4.5kg
Power Supply		AC 100~240 V, 50/60 Hz	AC 100~240 V, 50/60 Hz
Power Consumption		35W	55W
Operating Environment	Working Temperature	-10~+55°C	
	Storage Temperature	-40~+85°C	
	Relative Humidity	5~90% (non-conditioning)	
Warranty		3 Years	1 Year

#### Ordering Information:-

**DG-GO4204-8E** : DIGISOL GEAPON OLT with 4 PON SFP ports with 4 GigaEthernet Ports and 4 Giga SFP ports

**DG-GO4208-12E4SFPP** : DIGISOL GEAPON OLT with 8 PON SFP ports with 8 Giga Ethernet Ports and 4 Giga SFP ports and 4 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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DIGISOL SYSTEMS LIMITED  
215 Atrium Bldg., Unit no. 305,  
3rd Floor, A-Wing, Opp. Big Cinema,  
Courtyard Marriott Compound,  
Andheri-Kurla Road,  
Andheri (E), Mumbai - 400093.

- 1800-209-3444
- www.digisol.com
- helpdesk@digisol.com

@DIGISOLINDIA