



DIGISOL[®]

FTTH SOLUTIONS

DIGISOL GPON OLT

DG-GO4300 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-GO4304-4E2SFPP 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.

DG-GO4304-4E2SFPP provides 4GE (copper) and 2 SFP/SFP+ (1GE/10GE) slots independent interfaces for uplink and 4* PON ports with each port supporting 128 ONUs under 1:128 split ratio.

| Item | | DG-GO4304-4E2SFPP |
|------------------------|--|--|
| Chassis | Rack | 1U 19 inch standard box |
| Uplink Port | QTY | 6 |
| | Copper 10/100/1000M auto-negotiation | 4 |
| | SFP / SFP+ | 2 |
| GPON Port | QTY | 4 |
| | 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 | Transmission Distance | 20KM |
| | 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 | |



DIGISOL[®]

FTTH SOLUTIONS

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
- Gempport traffic
- In compliant with ITUT984.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 (L*W*H)

- 442mm*220mm*43.6mm

Weight

- 2.8kg

Power Supply Options

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

Power Consumption

- 45W

Working Temperature

- 0°C ~+50°C

Storage Temperature

- -40~+85°C

Relative Humidity

- 5~90% (non-conditioning)

Ordering Information:-

DG-GO4304-4E2SFPP : DIGISOL GPON OLT with 4 PON SFP Ports ,
4 GIGA Ethernet Ports and 2 SFP/SFP+ Ports

DG-GO4304-4E2SFPPB1 : DIGISOL GPON OLT with 4 PON SFP ports ,
4 Gigabit Ethernet Ports and 2 SFP/ SFP+ ports with Dual Power Supply (AC+DC)

DG-GO4304-4E2SFPPB2 : DIGISOL GPON OLT with 4 PON SFP ports ,
4 Gigabit Ethernet Ports and 2 SFP/ SFP+ ports with Dual Power supply (AC+AC)

DG-GO4304-4E2SFPPB3 : DIGISOL GPON OLT with 4 PON SFP ports ,
4 Gigabit Ethernet Ports and 2 SFP/ SFP+ ports with Dual Power Supply (DC+DC)

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

DIGISOL Logos are trademarks and/or registered trademarks of DIGISOL SYSTEMS LIMITED. Other trademarks, product, service and company names mentioned are the property of their respective owners. Information is subject to change without notice. The actual product appearance may differ from the one shown here. © 2020 DIGISOL SYSTEMS LIMITED. All rights reserved.



ON / OFF

Power Connector

DIGISOL is a Subsidiary of Smartlink Holdings Limited

DIGISOL SYSTEMS LIMITED
215 Atrium Bldg., 2nd Floor,
B-Wing, Opp. Big Cinema,
Courtyard Marriott Compound,
Andheri-Kurla Road,
Andheri (E), Mumbai - 400093.



1800-209-3444



www.digisol.com



helpdesk@digisol.com

[@DIGISOLINDIA](https://www.facebook.com/DIGISOLINDIA)