



DIGISOL™

FTTH SOLUTIONS

DIGISOL XPON ONU Router with 1 PON and 1 Giga Port

DG-GR6010

Key Features:-

- Dual mode ONU
- Plug and play, features auto-detecting, auto-configuration, and auto firmware upgrade etc.
- Integrated OAM remote configuration and maintenance function.
- Support rich QinQ VLAN functions and IGMP Snooping multicast features.



Introduction:-

DIGISOL DG-GR6010 is a Dual Mode Routing ONU modem designed for fulfilling FTTH ultra-broadband access request of home and SOHO users. It supports NAT/Firewall functions. It is based on the stable and mature EPON/GPON technology, which has high performance to price ratio. It is highly reliable and easy to maintain, with guaranteed QoS and fully compliant to IEEE 802.3ah EPON and ITU-T G.984.x GPON standard.

Technical Specifications:-

PON

- SC single-mode/single-fiber
- 1 G/EPON port (EPON PX20+ and GPON Class B+)

Wavelength

- Tx 1310nm, Rx 1490nm

Sensitivity

- <-27dBm(PX20+)

Transmitting Optical Power

- 0~+4dBm

Overload

- >-3dBm (PX20+)

Optical Type

- SC/PC

Interface Type

- 1 x 10/100/1000Mbps auto adaptive Ethernet interfaces
- Full/Half Duplex, RJ45 connector

Indicators

- 3, For SYS, LINK/ACT, REG

Basic

- Support MPCP discover & register
- Support authentication Mac/Loid/ Mac+Loid
- Support Triple Churning
- Support DBA bandwidth

Alarm

- Support Dying Gasp
- Support PortLoopDetect
- Support Eth Port Los

LAN

- Support Flow Control.
- Support Storm Control.
- Support Loop Detection.
- Support Port Rate Limiting.

VLAN

- Support VLAN tag mode
- Support VLAN transparent mode
- Support VLAN trunk mode (max 8 vlans)
- Support VLAN 1:1 translation mode (max 8 vlans)

Multicast

- Support IGMPv1/v2
- Support IGMP Snooping
- Max Multicast vlan 8
- Max Multicast Group 64



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Technical Specifications:-

QoS

- Support 802.1P

L3

- Support IPv4, IPv6 and IPv4/ IPv6 dual stack
- Support DHCP/ PPPOE/ Static IP
- Support Static route
- Support NAT

Management

- Support CTC OAM
- Support WEB
- Support TELNET
- Support CLI

DC Power Supply

- +12V, external AC-DC power adapter

Power consumption

- ≤4W

Operating temperature

- -30°C ~ +70°C

Operating humidity

- 10% ~ 90% (non-condensing)

Storing temperature

- -30°C ~ +70°C

Storing humidity

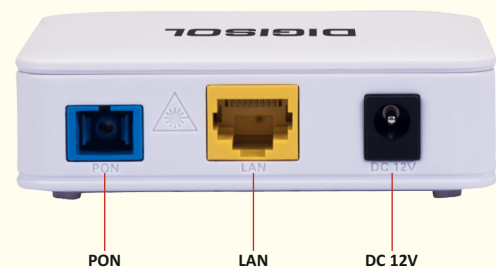
- 10% ~ 90% (non-condensing)

Ordering Information:-

DG-GR6010: DIGISOL XPON ONU Router with 1 PON and 1 Giga Port

*Standard 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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