



# DIGISOL<sup>®</sup>

## FTTH SOLUTIONS

**1<sup>st</sup>** INDIAN  
BRAND  
IN IT NETWORKING

## DIGISOL XPON ONU Router with 1 PON, 1 Gigabit LAN port and 1 FXS port

### DG-GR6011

#### Key Features:-

- Detect and exchange PON mode automatically
- Can be used in a wide temperature environment
- IPv4/IPv6 Stack
- Support SIP protocol
- Powerful firewall function



#### Introduction:-

DIGISOL DG-GR6011 (1GE+1POTS XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services.

The ONT is based on high-performance chip, supports XPON dual-mode technology (EPON and GPON), and also supports Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT.

The ONT has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984.

#### Technical Specifications:-

##### PON

- 1 XPON port (EPON PX20+ and GPON Class B+)
- SC single mode, SC/UPC connector
- TX optical power: 0 ~ +4dBm
- RX sensitivity: -27dBm
- Overload optical power: -3dBm(EPON) or -8dBm (GPON)
- Transmission distance: 20KM
- Wavelength: TX 1310nm, Rx1490nm

##### Interface Type

- 1\*GE, Auto-negotiation, RJ45 ports
- 1\*POTS Connector

##### Indicators

- PWR, PON, LOS, WAN, LAN, PHONE

##### Basic

- Full speed non-blocking switching
- 4K VLAN ID
- Support auto polarity detection of Ethernet ports (AUTO MDIX)

##### Security

- Support Firewall
- Support Mac filter Based on MAC or URL
- Support ACL

##### VLAN

- Support VLAN tag mode
- Support VLAN trunk mode
- Support VLAN translation

##### Multicast

- Support IGMP and MLD snooping

##### VoIP

- SIP and IMS SIP
- G.711a/G.711u/G.722/G.729 Codec
- Echo cancellation, VAD/CNG, DTMF Relay
- T.30/T.38 FAX
- Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference
- Line testing according to GR-909

##### QoS

- Support 4 queues
- Support SP and WRR
- Support 802.1P and DSCP



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### Technical Specifications:-

#### L3

- Support IPv4, IPv6 and IPv4/IPv6 dual stack
- Support DHCP/PPPOE/Static
- Support Static route
- Support DHCP Server
- Support DDNS
- Support DMZ and Port Forwarding

#### Management

- Support WEB
- Support OAM/OMCI
- Support Telnet
- Support TR069

#### DC Power Supply

- DC 12V / 1A, external AC-DC power adapter

#### Power consumption

- ≤10W

#### Operating temperature

- 0°C ~ +55°C

#### Operating humidity

- 10% ~ 90% (non-condensing)

#### Storing temperature

- -30°C ~ +60°C

#### Storing humidity

- 10% ~ 90% (non-condensing)

#### Dimensions

- 100mm\*92mm\*29.5mm (L×W×H)

#### Net Weight

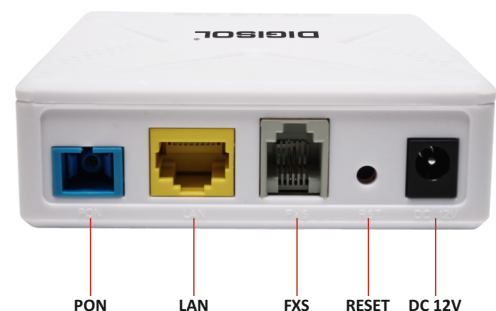
- 0.11kg

### Ordering Information:-

#### DG-GR6011: DIGISOL XPON ONU Router with 1 PON, 1 Gigabit LAN port and 1 FXS port

\*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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PON

LAN

FXS

RESET

DC 12V

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\*Made In India products are available in specific part codes, please contact Digisol Sales Representative / Authorised Distributor for delivery schedule.