



DIGISOL®

FTTH SOLUTIONS



Manufacturing Since 1986

DIGISOL XPON ONU 300Mbps Wireless Router with 1 PON, 1 GE + 1 FE LAN Port & 1 FXS Port

DG-GR1321

Key Features:-

- Plug and play, features auto-detecting, auto-configuration, and auto firmware upgrade, etc.
- Integrated OAM/OMCI remote configuration and maintenance function.
- Support IGMP Snooping.
- Support 802.11n WiFi(2T2R) function.
- Support NAT, Firewall function.
- Support IPv4 and IPv6 dual stack.
- Integrated line testing compliant with GR-909 on POTS.



Introduction:-

DIGISOL DG-GR1321 terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. These boxes are based on the mature Gigabit EPON/GPON technology, which have high ratio of performance to price, and the technology of 802.11n WiFi (2T2R), Layer 2/3 and high quality VoIP as well. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And they are fully compliant with technical regulations such as IEEE802.3ah. It works on both GEPON/GPON technology.

Technical Specifications:-

HARDWARE PARAMETER:

PON Interface

- SC single-mode/ single-fiber,
Upstream 1.25Gbps,
Downstream 2.5Gbps

Wavelength

- Tx 1310nm, Rx 1490nm

Rx Sensitivity

- -8dBm to -27dBm

Optical Type

- SC/PC

Interface Type

- 1*10/100/1000Mbps +
1*10/100Mbps +
- Auto adaptive Ethernet interfaces,
Full/Half Duplex, RJ45 Connector
- 1 FXS Port

Wireless

- Compliant with IEEE802.11b/g/n,
300Mbps, 2T2R with Two external
antenna

Indicators

- 8, For PWR, PON, LOS, LAN2, LAN1,
TEL, PAIR, Wi-Fi

SOFTWARE PARAMETER:

LAN

- Support Port rate limiting
- Support Loop detection
- Support Flow control
- Support Storm control

VLAN

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

Multicast

- Support IGMPv1/v2/v3
- Support IGMP Proxy and MLD Proxy
- Support IGMP Snooping and MLD
Snooping

QoS

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

L3

- Support IPv4, IPv6 and IPv4/ Ipv6
dual stack
- Support DHCP/ PPPoE/ Static
- Support Static route
- Support NAT
- Support Virtual Server



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Technical Specifications:-

DHCP

- Support DHCP server

VoIP

- Support SIP protocol
- Support Voice coding: ITU-T G.711/ G.723/ G.726/G.729
- Support Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length
- Support high/low speed fax/Modem, bypass fax, and T38 fax
- Support InBand / RFC2833/SIP INFO, Md5 authentication, call forward, call waiting, hot-line call, and all kinds of value-added voice service. Multi-party conferencing
- Support Line testing according to GR-909

Wireless

- Support 802.11b/g/n and Mixed mode
- Support 4 SSID
- Support No-auth, WEP, WPA-PSK and WPA2-PSK function with AES, TKIP encryption

Security

- Support Firewall
- Support Mac filter
- Support ACL
- Support URL filter

Management

- Support CTC OAM 2.0 and 2.1 Support ITUT984.x OMCI
- Support WEB
- Support Tr069
- Support TELNET

Ambient Temperature

- -20 ~ +55°C

Ambient Humidity

- 10~90% (non-condensed)

Store Temperature

- -30 ~ +60°C

Store Humidity

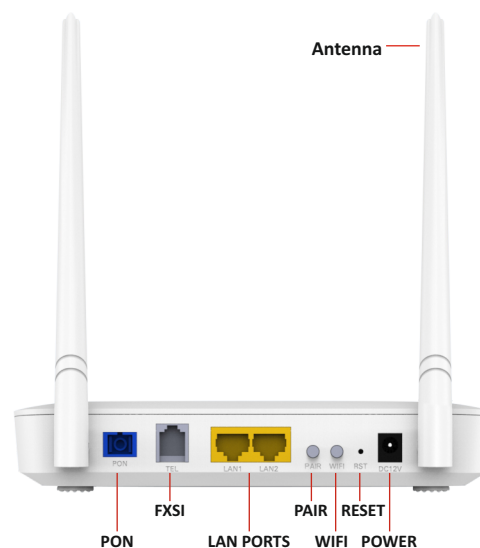
- 10~90% (non-condensed)

Ordering Information:-

DG-GR1321: DIGISOL XPON ONU 300Mbps Wireless Router with 1 PON, 1 GE + 1 FE LAN Port & 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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*Made In India products are available in specific part code, please contact Digisol Sales Representative / Authorised Distributor for delivery schedule.