

DIGISOL

FTTH SOLUTIONS

1st
INDIAN
BRAND
IN IT NETWORKING

DIGISOL XPON ONU 1200Mbps Wireless Router with 1 PON, 2 GE Port

DG-GR6821AC-NV

Key Features:-

- Detect and exchange PON mode automatically
- IPv4 / IPv6 Dual Stack
- Wi-Fi 5 Dual Band 1200 Mbps

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Introduction:-

DIGISOL DG-GR6821AC-NV is a 1200 Mbps Wi-Fi ONU designed for fulfilling FTTH ultra-broadband access and triple play service for home and SOHO users. It is based on the stable and mature GPON and Gigabit EPON technology, it is highly reliable and easy to maintain, with guaranteed QoS, and fully compliant to IEEE 802.3ah EPON standards and ITU-T G.984.x which has high performance/price ratio. It supports NAT/firewall and the layer 3 routing functions as well. It converts the fiber optic signal into the electric signal at the user side and enables reliable Fiber Optic Ethernet services to business and residential users through fiber-based network infrastructure. It terminates the PON on user side to provide triple play services to the user. DG-GR6821AC-NV is a dual mode ONU working on both GPON and Gigabit EPON technology which can detect and exchange PON mode automatically.

The device supports advanced Dynamic Bandwidth Allocation (DBA) which helps in bandwidth and traffic management of ONU. The WAN supports bridge/router mode for mixed applications and also supports 867Mbps WiFi with multiple SSID. Is also supports dual-stack (IPv4 and IPv6) to ensure compatibility with the next generation of the Internet and enables a range of new services and improved user experience.

Technical Specifications:-

HARDWARE PARAMETER:

PON interface

- 1XPON 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

Optical interface

- SC/UPC connector

WLAN

- Compliant with IEEE802.11b/g/n/ac
- Wi-Fi: 2.4GHz 2x2, 5.8GHz 2x2, 5dBi antenna, rate up to 1.167Gbps
- Multiple SSID
- TX power: 2.4GHz: 23dBm; 5GHz: 24dBm
- RX power: 2.4GHz: HT40-MCS7 - 72dBm; 5GHz: VHT80 MCS9 < -62dBm

LAN interface

- 2xGE, Auto-negotiation, RJ45 ports

Indicators : 8

- PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G

DC power supply

- 12V, 1.0A, external AC-DC power adaptor

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Technical Specifications:-

Operating condition

- Operating temp: -10°C ~ +55°C
- Operating humidity: 5 ~ 95% (non-condensed)

Storing condition

- Storing temp: -40°C ~ +70°C
- Storing humidity: 5 ~ 95% (non-condensed)

Internet connection

- Support Bridge, Route and Bridge/ Route mixed mode

Multicast

- Support IGMP v1/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 DHCP Server
- Support NAT
- Support DMZ
- Support Virtual Server
- Support DDNS

Security

- Support Firewall
- Support MAC filter based on MAC or URL
- Support ACL

Management

- OAM/OMCI
- Telnet
- WEB
- Tr069
- Support full management of ONT functions by DIGISOL OLT

Data Service Functions

- Full speed non-blocking switching
- 2K MAC address table
- 8 full range VLAN ID
- Support VLAN tag, Untag, Transparent, Trunk, translation mode
- Integrated port monitoring, Port mirroring, Port rate limiting, Port SLA, etc.
- Support auto polarity detection of Ethernet ports (AUTO MDIX)

Dimensions

- 178mm x 120mm x 30mm (LxWxH)

Net Weight

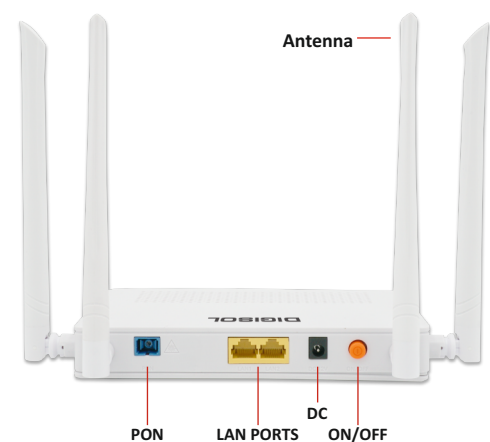
- 0.31kg

Ordering Information:-

DG-GR6821AC-NV: DIGISOL XPON ONU 1200Mbps Wireless Router with 1 PON , 2 GE 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 codes, please contact Digisol Sales Representative / Authorised Distributor for delivery schedule.