TRUSTED
MADE IN INDIA BRAND

Manufacturing Since 1986

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

DG-GR6821AC

3 YEARS WARRANTY*

Key Features:-

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

Introduction:-

DIGISOL DG-GR6821AC is a 1200 Mbps WiFi 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 highperformance/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 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
- 1 XPON port
  (EPON PX20+ and GPON Class B+)
- SC Single mode
- TX optical Power : 0 to 4 dBm
- Transmission distance : 20 km
- RX : 2.488 Gbps , TX : 1.2488 Gbps

Wavelength
- Tx-1310nm, Rx-1490nm

Optical interface
- SC/UPC connector

RX sensitivity
- -8 to -25 dBm

WLAN
- Compliant with IEEE 802.11 b/g/n/ac standard, 1200 Mbps
- Support 4x4 MIMO
- External 5dBi antennas

LAN interface
- 2 * 10/100/1000 Mbps auto adaptive Ethernet interface, RJ45 connectors, 1 POTS Rj11 Connector

Indicators : 9
- PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G, PHONE

DC power supply
- +12V,1.5A, external AC-DC power adaptor

Operating condition
- Operating temp: 0 ~ +55°C
- Operating humidity: 10 ~ 90% (non-condensed)

Storing condition
- Storing temp: -30~+60°C

Technical Specifications:-

- Storing humidity:10~90% (non-condensed)

Internet connection
- Support Bridge, Route and Bridge/ Route mixed mode

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

Multicast
- Support IGMP v1/v2/v3 snooping / proxy
- Support MLD v1/v2 snooping / proxy

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

VoIP
- Call protocol: SIP(IMS compatible) seamless compatible with all popular call agent
- Integrate heartbeat function and support active/standby call agent
- Voice coding: ITU-T G.711/G.722/G.729, auto-negotiate with call agent
- Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length
- Support high/low speed fax, bypass fax and T38 fax
- Support high speed MODEM(56Kbps) dial access
- Support RFC2833 and redundant RFC2833, difference rings, Md5 authentication, call forward, call waiting, hot-line call, alarm clock, and all kinds of value-added voice service
- Multi-party conferencing

Wireless
- Support Wireless AP mode
- Support 802.11 b/g/n/ac
- Support Multiple SSID
- Support Wireless encryption

Management
- OAM/ OMCI
- Telnet
- WEB
- TR069
- Support full management of HGU functions by DIGISOL OLT

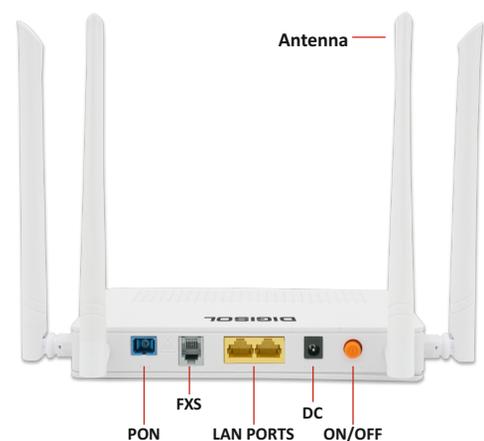**Dimensions**
- 178mm x 120mm x 30mm (LxWxH)

Net Weight
- 0.32kg

Ordering Information:-

DG-GR6821AC: DIGISOL XPON ONU 1200Mbps Wireless Router with 1 PON , 2 GE 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.

Antenna

PON   **FXS**   **LAN PORTS**   **DC**   **ON/OFF**

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