



**DIGISOL™**

# WIRELESS AND BROADBAND

## DIGISOL 150Mbps Wireless ADSL 2/2+ Broadband Router with USB Port

### DG-BG4100NU (H/W Ver. A1)

#### Key Features:-

- UPTO 150Mbps Wireless Speed
- IPv6 Ready
- 4G/3G Backup Support for Internet
- USB Mass Storage Support
- WPS Push Button
- Ethernet WAN Support
- Best for Small & Home Office



#### Introduction:-

**DIGISOL** Wireless broadband router DG-BG4100NU is high-performance ADSL router providing downstream speed of up to 24Mbps and upstream speed upto 1Mbps. It provides one RJ11 telephone Port for ADSL connection, four RJ45 Ethernet interfaces for connecting to notebook/desktop computer or other network devices, One USB 2.0 Port for connecting popular 4G/3G Datacards & Mass Storage.

DIGISOL DG-BG4100NU has Web-based graphic user interface (GUI), which allows user to easily configure the settings and connect to ISP. It also provides detailed information like flow statistics, connection status, etc.

#### Dual Mode Wireless Function

DG-BG4100NU has a built in Access Point which allows multiple wireless clients to access the LAN resources and Internet wirelessly. The router also supports configuration of 4 additional Guest wireless networks with user isolation. The router can bridge wirelessly to another Access Point to extend the wireless network by few meters.

#### Robust WLAN Security (WPA, WPA 2 – PSK)

DG-BG4100NU supports robust security using WPA2 which enhances the security of wireless network to protect sensitive data from hackers. DG-BG4100NU also supports 64/128 bit WEP encryption which offers first level of security choice to home users to provide confidentiality of the wireless network.

#### Quick & Easy Secure Wireless Setup

The DG-BG4100NU wireless broadband router supports WPS (Wi-Fi Protected Setup), which simplifies wireless client setup procedures (using push button). This enables user to secure their wireless network quickly and easily.

#### Quality Of Service (QoS)

This router supports Quality of Service based on the application, IP address and the physical port based users. The priority can be set in 4 different levels i.e. highest, high, normal & low depending on the type of traffic. The 4 LAN ports of the router can also be assigned priority depending on the type of traffic they carry.

#### 4G/3G/ ADSL Failover

The DG-BG4100NU provides redundancy by switching Internet connection between ADSL Port and 4G/3G to provide redundancy in case Primary WAN link fails. This ensures uninterrupted Internet services to users.



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## Technical Specifications:-

### ADSL Standards

- RFC 2684 Multiprotocol Encapsulation over ATM Adaptation Layer 5,
- RFC1483, PPPoE, RFC1662 PPP in HDLC-like Framing, MER, G.992.1 (T1.413),
- G.992.2 (G.dmt), G.lite G.992.3 (G.bis/ADS L2), G.992.5 (ADSL2+)
- Annex L (reach extended ADSL2), ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits (PVCs), CBR, UBR, VBR-rt and VBR-nrt, ITU-T i.610F4/F5 OAM

### Standards compliance

- IEEE 802.3, IEEE 802.3u, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, UDP, IP, ICMP, TCP, ARP, DHCP, SMTP, IPv4 and IPv6, SNMP

### Wireless frequency

- 2.400~2.4835GHz

### Wireless output power

- IEEE802.11b: 16+- 1.5dbm,
- IEEE802.11g: 15+- 1.5dbm,
- IEEE802.11n: 14+- 1.5dbm

### Wireless security

- WEP (64/128 bit)
- WPA-PSK (TKIP/AES)
- WPA2-PSK (TKIP/AES)
- WPA/WPA2 Mixed Mode
- WPS (PBC/PIN Mechanism)
- Disable SSID Broadcast
- IEEE802.1x RADIUS

### WLAN data transfer rates

- IEEE802.11b: 11Mbps, IEEE802.11g: 54Mbps, IEEE802.11n: 150Mbps

### Advanced features

- Port forwarding (Virtual Server)
- Port Triggering
- VPN Pass through
- DMZ • QoS • UPnP • DDNS • SNMP
- Wireless Bridge function
- Guest wireless network (upto 4)
- Static Routing
- NAT IP Mapping
- USB Mass Storage support
- 4G/3G Support • 802.1Q VLAN • FTP Server

### Advanced firewall features

- Wireless Access Control (MAC Address Based)
- URL/Keyword Filtering
- NAT Support • IP Filter
- Anti DOS Protection • ALG

### Routing

- Static Routing
- Dynamic Routing (RIP v1 and v2)

### Management features:

- Web GUI Interface (HTTP)
- Backup and Restore Configuration
- Remote Management
- Quick Setup Utility
- TR0-69

### Status LEDs

- Power, WLAN, DSL, Internet, WPS, LAN ports 1~4, USB

### Environmental specifications

- Operating temperature: 0°C ~ 40°C, Storage temperature: -20°C ~ 70°C
- Operating humidity: 10 ~ 95% (Non-condensing)
- Storage humidity: 5 ~ 95% (Non-condensing)

### Power Supply

- AC power adaptor: 100VAC-240VAC
- DC voltage: 12V, 1A

### Dimensions

- Net Dimensions (LxWxH): 24 x 11 x 3.2 cm (With Antenna)
- Gross Dimensions (LxWxH): 26 x 11.7 x 7 cm

### Weights

- Net Weight: 150 g
- Gross Weight: 400 g

### Warranty

- DIGICARE Limited Lifetime warranty



## Ordering Information:-

### DG-BG4100NU (H/W Ver. A1): DIGISOL 150Mbps Wireless ADSL 2/2+ Broadband Router with USB Port

\*Limited Lifetime Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

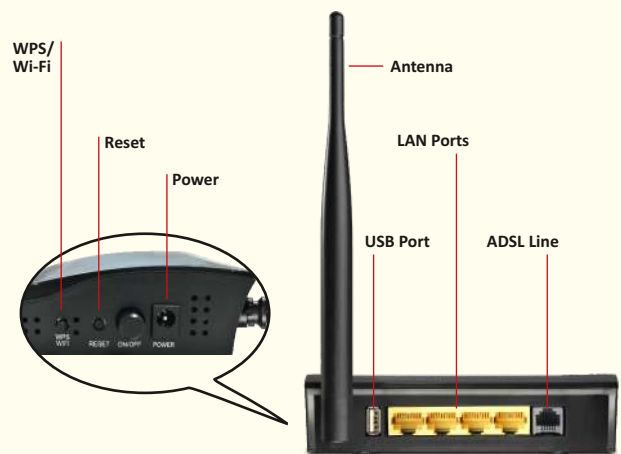
4G/3G USB Dongle compatibility list can be downloaded from DIGISOL official website or contact 1800 209 3444

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