

## Technical Specifications

### VDSL Features

- ITU-T G.993.2 VDSL2
- Support 8a,8b,12a,12b,17a,30a profile
- Support G.vector
- Support ATM and PTM
- Support G.INP

### ADSL Features

- T1.413i2, G.992.1
- G.dmt, G.992.2, G-lite
- G.992.3 (G.bis/ADSL2) G.992.5 (ADSL2+), Annex A, B, I, J, M&L, ITU G.994.1 (G.hs)
- Support ATM forum UNI3.0, 3.1 and 4.0 (PVCs)
- Support CBR, UBR, VBR-rt, VBR-nrt,
- Multiple PVCs Support ITU-T i.610F4/F5 OAM

### Protocol Features

- RFC2684 multiprotocol Encapsulation over ATM Adaptation Layer 5
- RFC1483 multiprotocol Encapsulation over ATM Adaptation Layer 5
- RFC2364 PPP over ATM ALL5 (PPPoA)
- RFC2516 PPP Over Ethernet (PPPoE)
- RFC1662 PPP in HDLC-like Framing
- RFC1332 PPP Internet Protocol Control Protocol
- RFC1577/2225 Classical IP and ARP over ATM (IPoA)
- RFC894 A Standard for the Transmission of IP Datagrams over Ethernet Networks
- RFC1042 A standard for the Transmission of IP Datagrams over IEEE 802 Networks
- MER (a.k.a IP over Ethernet over AALS)
- Support ALG (Application Level Gateways)
- IEEE 802.11b/g/n

### Bridging Features

- Self-learning bridge (IEEE 802.1D Transparent Bridging)
- At least 64 learning MAC addresses
- Support IGMP snooping

### Routing Features

- RFC768 User Datagram Protocol (UDP)
- RFC791 Internet Protocol (IP)
- RFC792 Internet Control Message Protocol (ICMP)
- RFC793 Transmission Control Protocol (TCP)
- RFC826 An Ethernet Address Resolution Protocol (ARP)
- RFC862 Echo Protocol
- Support IP routing, Transparent bridging, Source and destination routing, DHCP server/client, UPnP support NAT, NAT, DMZ, Support IP QoS, Support IGMP proxy, Support IPv6

### Management

- Device Configuration, Management and Update
- Web based GUI
- Localization support
- Embedded web server
- Download image via HTTP, TFTP client, TFTP server, FTP server
- Command Line Interface via, telnet or ssh
- Menu-driven CLI via telnet
- Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0)
- WAN Management Protocol (TR-069)
- SNMP v1/v2
- PSI configuration file upload and download

## 300Mbps Wireless VDSL2/ADSL2+ Broadband Router with USB Port

### DG-VG4300NU

(H/W Ver. A1)

**DIGISOL** The DG-VG4300NU is a VDSL2/ADSL2+ router, 4 ports 10/100Mbps auto MDI/MDIX Ethernet Switch and IEEE 802.11b/g/n wireless connectivity. The DG-VG4300NU is an ideal solution for the residential users and SME, it is for both the single user with Bridge mode in host based PPPoE Client or for multi-users utilizing the DG-VG4300NU inbuilt PPPoE, IP routing, NAT functionality. DG-VG4300NU comes with stateful packet inspection firewall and DMZ support for full security options against malicious hackers.



### Product Features & Compliances:

- High-speed VDSL support upto 100Mbps Download speed
- 3G/4G Dongle Support
- Gigabit E-WAN Port Supported
- WAN Failover function supported
- Parental Control
- Multiple Guest Wi-Fi Network supported
- Backward compatible with ADSL line
- IPv6 Ready
- Supports IPSec VPN

# DG-VG4300NU

(H/W Ver. A1)



- Date/time update from SNTP Internet Time Server

### Security

- Three-level login including local admin, local user, and remote technical support access
- Service access control based on incoming interface: WAN or LAN
- Service access control based on source IP addresses
- Protect DOS attacks from WAN: SYN flooding, IP surfing, ping of Death, fragile, UDP ECHO (port 7), teardrop, land
- PAP (RFC1334), CHAP (RFC1994), MSCHAP for PPP session
- IP filter, Parental control

### Wireless Features

- Standard: **Modulation schemes**  
IEEE802.11b/g/n:
- 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS
  - 802.11b: CCK, DQPSK, DBPSK
  - HT20 & HT40: 64 QAM, 16QAM, QPSK, BPSK
- Standard: **data rate**
- 802.11b: 11, 5.5, 2, 1 Mbps per channel, auto fallback for extended range
  - 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps per channel, auto fallback for extended range
  - HT20: up to 144 Mbps
  - HT40: up to 300 Mbps
- Standard: **Security**
- 64-bit, 128-bit WEP, AES, TKIP, WPA, WPA2, 802.1x

### External Connectors

- 1 x VDSL interface
- 4 x RJ45 LAN Ethernet interfaces 10M/100M
- 1 x RJ45 WAN Ethernet interface 10M/100M/1000M
- 2 x USB host • 1 x Reset button
- 1 x WPS button • 1 x WLAN button
- 1 x Power jack • 1 x Power switch

### Environment Requirement

- 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

- 12VDC, 1.5 A

### Package Contents

- 1 x DG-VG4300NU VDSL Router
- 1 x External VDSL splitter
- 1 x Power adapter
- 2 x Telephone cables (RJ-11)
- 1 x Ethernet cable (RJ-45)
- Quick Installation Guide
- Installation Guide CD (includes User Manual & QIG)

### Weight

Net : 310 g  
Gross : 700 g

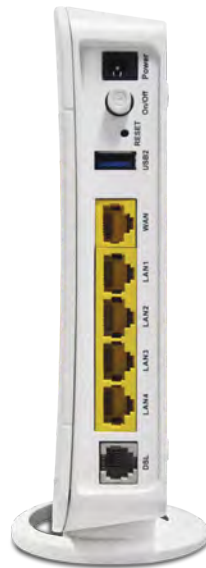
### Dimensions

Net: (LxWxH) 134 x 75 x 186 mm  
Gross: (LxWxH) 258 x 148 x 83 mm

### Warranty

DIGICARE Limited Lifetime warranty

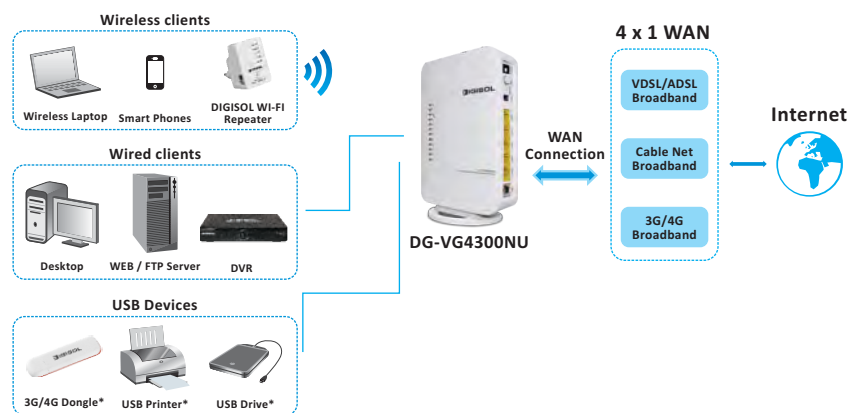
### Side View



### Top View



### Application Scenario



### Associated products:



### Ordering Information:

**DG-VG4300NU (H/W Ver. A1):** DIGISOL 300Mbps Wireless VDSL2/ADSL2+ Broadband Router with USB Port

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\*Limited Lifetime 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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