

NETGEAR®

Dual WAN VDSL Gateway VEGN2620

Data Sheet – Preliminary

VEGN2620



Advanced Gateway Supporting Simultaneous Dual-Band WiFi, Channel Bonding and g.vector

The NETGEAR® VEGN2620 is a dual-WAN gateway platform offering performance and flexibility for the operator environment with multiple WAN and LAN technologies.

VDSL2 with ADSL2+ fallback and dedicated Gigabit Ethernet WAN interfaces offer operators multiple WAN connectivity options. Additionally, 802.11n WiFi with optional 5GHz simultaneous dual-band ensure complex multiservice/multidevice home environments can be supported.

The VEGN2620 is vectoring-enabled, reducing noise interference and increasing bandwidth rate and reach. The VEGN2620 also utilizes two-port channel bonding to double the available bandwidth that is delivered to the end user.

The NETGEAR Difference

- g.vector-enabled noise cancellation reduces interference improving rate and reach in the local copper access network
- Available channel bonding doubles the available bandwidth to end users for ADSL and VDSL installations
- Single device supports VDSL and FTTH applications for network upgrade, access failover or service transition
- Delivers multiple high speed streams; support very high speed LAN-LAN traffic for on-premise content distribution

Benefits

- Enables deployment in ADSL environments today where operator anticipates or plans VDSL DSLAM upgrades
- Supports a variety of USB attached devices such as storage or 3G dongle for wireless back up
- Secure WiFi access
- Private and public WiFi access
- Remote management for faster troubleshooting and support
- Future-proof for continued operation in the network
- 2.4GHz + 5.0GHz support; segement video and gaming content to 5GHz range to ensure QoS for latency sensitive applications

Whole Home System



VDSL Internet Connection



802.11ac WiFi



Desktop, Laptop Computer, Tablet, Smartphone

Features

- Dedicated VDSL2 and GigE WAN ports
- 2-port VDSL2 channel bonding
- Vectoring capable
- 4-port GigE LAN
- ADSL2+ fallback
- Single USB 2.0 host port, second optional
- Preconfigured WPA/WPA2 and WPS
- Multi-SSID support
- TR69 and OA&M ready
- IPv6 dual stack ready
- Optional simultaneous dual-band WiFi



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Technical Specifications

System Requirements

- VDSL2, GigE or ADSL2+ service
- 2.4 or 5 GHz WiFi client or Ethernet cable
- Microsoft Windows 7, Vista, XP, or other operating systems running a TCP/IP network
- Microsoft® Internet Explorer 6.0 or higher or NETGEAR Genie™

Physical Interfaces

- LAN Ports: Four 10/100/1000 Mbps autosensing MDIX, RJ-45 ports
- WAN Ports: VDSL2 / ADSL2+ Annex A, M and Gigabit Ethernet
- Wireless: 802.11n (2.4Ghz)
- USB 2.0 Host - 1 or 2 ports

Security

- Firewall: Stateful packet inspection, intrusion logging and reporting, DoS and DDoS protection
- NAT traversal (VPN pass-through) for IPSec, PPTP and L2TP VPNs
- Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN
- Domain Filtering & Parental Control

Power

- Adapter: 12V DC, 2.5A; plug is localized to country of sale
- ON/OFF Power Switch

Physical Specifications

- Dimensions: 195 x 114 x 62 mm with stand (7.7 x 4.5 x 2.4 in)
- Weight: .5 kg (1.1 lb)

Environmental Specifications

- Operating temperature: 0° to 40° C
- Operating humidity: 90% maximum relative humidity, non-condensing

Warranty

- US: 1-year
- Rest of world: 2-year

Network Management

- Active WAN Uplink Selection and status monitor
- Advanced Settings: Wireless, Port Forwarding, Port Triggering
- Firmware Upgrade via Internet (HTTP)
- Scheduling tasks by time of day
- Setup: LAN, DNS, Static Routes
- Statistics
- TR-069: 325+ Objects
- UPnP

Statistics (by LAN/WAN Port)

- Link Status
- Transmit/receive traffic in packets
- Collisions
- Up Time
- Poll Interval between updates
- WAN Monitoring

LEDs

- Power
- VDSL2
- Ethernet
- Internet
- USB
- Wireless
- LAN Activity

Data Link Layer

- Bridging
- PPPoA
- PPPoE (Client)
- VLAN

Network/Internet Layer

- IGMP v2/v3
- IGMP Snooping
- IP (IPv4 & IPv6)
- IPSec Pass-Through
- NAT/PAT
- PVC on ATM - up to 8 multiple
- PTM
- QoS: 802.1P, 802.1Q,
- RIP v1, v2
- Static Routing

WiFi

- N300 single band or optional N600 simultaneous dual-band
- Disable SSID broadcast
- Disable WiFi Radio
- MAC address access control
- Multiple SSIDs
- WEP 64/128 bit
- WMM-QoS
- WPA, WPA-PSK
- WPA2, WPA2-PSK
- WPS with pin and push button

Compliances

- CE, UL, FCC, A-Tick, C-Tick, WiFi

Hardware

- MTBF: >10 years at 45° C

Package Contents

- VDSL2 gateway
- Power adapter
- Ethernet and phone cables