

# NETGEAR®

## VDSL Wireless Gateway

Data Sheet

VEGN2610-1BEGES



### Overview

#### Super-fast wired WAN, wired and wireless LAN broadband connectivity with USB for printer sharing and network attached storage.

The NETGEAR VEGN2610-1BEGES single pair VDSL wireless gateway provides service providers and their customers with dual-band, dual concurrent Wi-Fi connections supporting band plans 8, 12 and 17.

End users can experience faster speeds and increased data transfer capacity with 802.11N 2x2 at 2.4GHz and 3x3 at 5GHz. The VEGN2610-1BEGES offers operators a seamless wireless solution utilizing internal antennas that provide wireless access points with high throughput across available spectrums enabling a highly optimized network.

As operators strive to deliver greater bandwidth to end users, the VEGN2610-1BEGES leverages VDSL2 technology to deliver greater bandwidth over existing copper Telco networks in the WAN, Ethernet and Wireless LAN. This allows operators the ability to deliver the bandwidth required, with wired and wireless content distribution access options, for HD video, gaming and Internet access.



### Highlighted Features

- VDSL2 WAN
- Dual Band Dual Concurrent Wi-Fi
- 4x10/100 LAN
- 1xUSB2.0

### Benefits

High speed service delivery over existing copper network infrastructure

- Enables HD video delivery, supports latency sensitive gaming applications and simultaneous connectivity across a variety of devices in the home.

Best-in-class wireless performance supported with internal antenna design

- Seamless wireless access point
- Serves as video distribution or internet access point for televisions, tablets, PCs, game consoles and smart phones with leader-in-class performance and connectivity

4-port Ethernet LAN allows 10/100 Ethernet connectivity to a set top box, home or office PCs and printers

- Enables broadband connectivity to the entire home/office network

USB 2.0 offers greater connectivity for connected devices

- Connect to printers or USB storage devices to enable network wide access to these devices and services

### Whole Home System



Internet Service Provider Connection



VDSL Wireless Gateway



Desktop or Laptop Computer

### Features

- VDSL2 WAN
- 802.11n 2x2 Wi-Fi – Dual-band, dual concurrent, 2.4 and 5 GHz
- 4-port 10/100 Ethernet LAN
- USB 2.0 host port for network attached storage and printer sharing
- WPA/WPS Wireless Security
- Multi SSID – Guest network management
- TR-069 – ACS integration for administration and control
- Multi PVC/VLAN/QoS – Advanced traffic management
- ReadyShare and printer server connectivity
- DLNA® server
- IGMP
- TR111 part 1
- OpenWiFi Hot Spot support

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## VDSL Wireless Gateway

VEGN2610-1BEGES

### Technical Specifications

#### System Requirements

- VDSL2 or ADSL 2+ Broadband Internet Service
- 2.4 GHz Wi-Fi client, 5.0 GHz Wi-Fi client or Ethernet cable
- Microsoft® Windows 8, Microsoft Windows 7, Vista, XP, or other operating systems running a TCP/IP network
- Microsoft Internet Explorer 6.0 or higher

#### Physical Interfaces

- WAN Port: VDSL2 / ADSL2+ Annex A
- Wireless: 802.11n (2.4 and 5.0 GHz)
- USB 2.0 Host port
- 4 x 10/100 Ethernet switch; 1 mapped to optional Ethernet WAN
- USB 2.0

#### Security

- Wi-Fi Protected Access® (WPA-WPA2-PSK)
- Firewall: Stateful packet inspection
- Denial-of-service (DoS attack prevention.
- NAT traversal (VPN pass-through) for IPSec, PPTP and L2TP VPNs
- Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN

#### Power

- 12vat 1.5A
- ON/OFF power switch

#### Environmental Specifications

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

#### Network Management

- Active WAN Uplink Selection and status monitor
- Advanced Settings: Wireless, Port

#### Forwarding, Port Triggering

- Firmware Upgrade via LAN (HTTP)
- Scheduling tasks by time of day
- Setup: LAN, DNS, Static Routes
- Statistics
- TR-069
- UPnP

#### Statistics (by LAN/WAN Port)

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

#### LEDs

- WPS switch LED
- Wi-Fi switch LED for both 2.4GHz and 5GHz and On/Off
- Power
- Ethernet LAN 1
- Ethernet LAN2
- Ethernet LAN3
- Ethernet LAN4
- 2.4 GHz Wi-Fi
- 5 GHz Wi-Fi
- DSL Link
- Internet

#### Data Link Layer

- Bridging
- PPPoE (Client)
- IPoE
- VLAN

#### Network/Internet Layer

- IGMP v2,v3
- IPv4 (IPv6 in Phase 3)
- IPSec Pass-Through
- NAT/PAT
- Static Routing

#### Wi-Fi

- N600 Dual Band Concurrent
- Disable SSID broadcast
- Disable Wi-Fi Radio
- MAC address Access Control
- Multiple SSIDs
- WEP 64/128 bit
- WMM-QoS
- WPA, WPA-PSK
- WPA2, WPA2-PSK
- WPS with pin & push button

#### Advanced Features

- DLNA Server
- USB Print Server

#### Compliances

- Wi-Fi Certified
- CE

#### Model Summary

- VDSL2 Router with 802.11 Dual-Band Dual Concurrent Wi-Fi. 4 x 10/100 LAN FE, 1 x USB 2.0 host port

#### Package Contents

- Router
- Router Stand
- RJ11 phone cable
- RJ45 network cable
- Power Supply
- Quick Install Guide
- Installation Manual