

NL-3120**HIGH POWER
AC2050****BONDED A/VDSL2 GATEWAY**

400mW High Power | AC2050 | TR-069 | 5 Gig Ports

PRODUCT OVERVIEW

The NexusLink 3120 (NL-3120) is a bonded A/VDSL2 Gigabit Wireless Router that offers competitive Internet speeds in FTN, or last-mile copper deployments.

- Offer the latest in bonding (up to profile 17a) with twice the downstream/ upstream bandwidth over comparable single-line models
- Avoid long buffer times with the latest Quantenna 802.11ac Wave 2 technology
- Take advantage of the latest high-bandwidth applications and services such as streaming HD and UHD IPTV, accessing cloud-based resources, and online gaming
- Reduce truck rolls with remote management to easily fix/prevent wireless issues

**KEY BENEFITS****Maximizes Video Streaming**

Equipped with Quantenna's latest 802.11ac Wave 2 technology, the NexusLink 3120 delivers super-charged 4x4 AC2050, MU-MIMO wireless connectivity with dynamic digital beamforming to enhance video experience.

Provides Optimized Performance

Supports the latest G.vector & G.inp technologies to work together to mitigate crosstalk and impulse noise resulting in greater throughput.

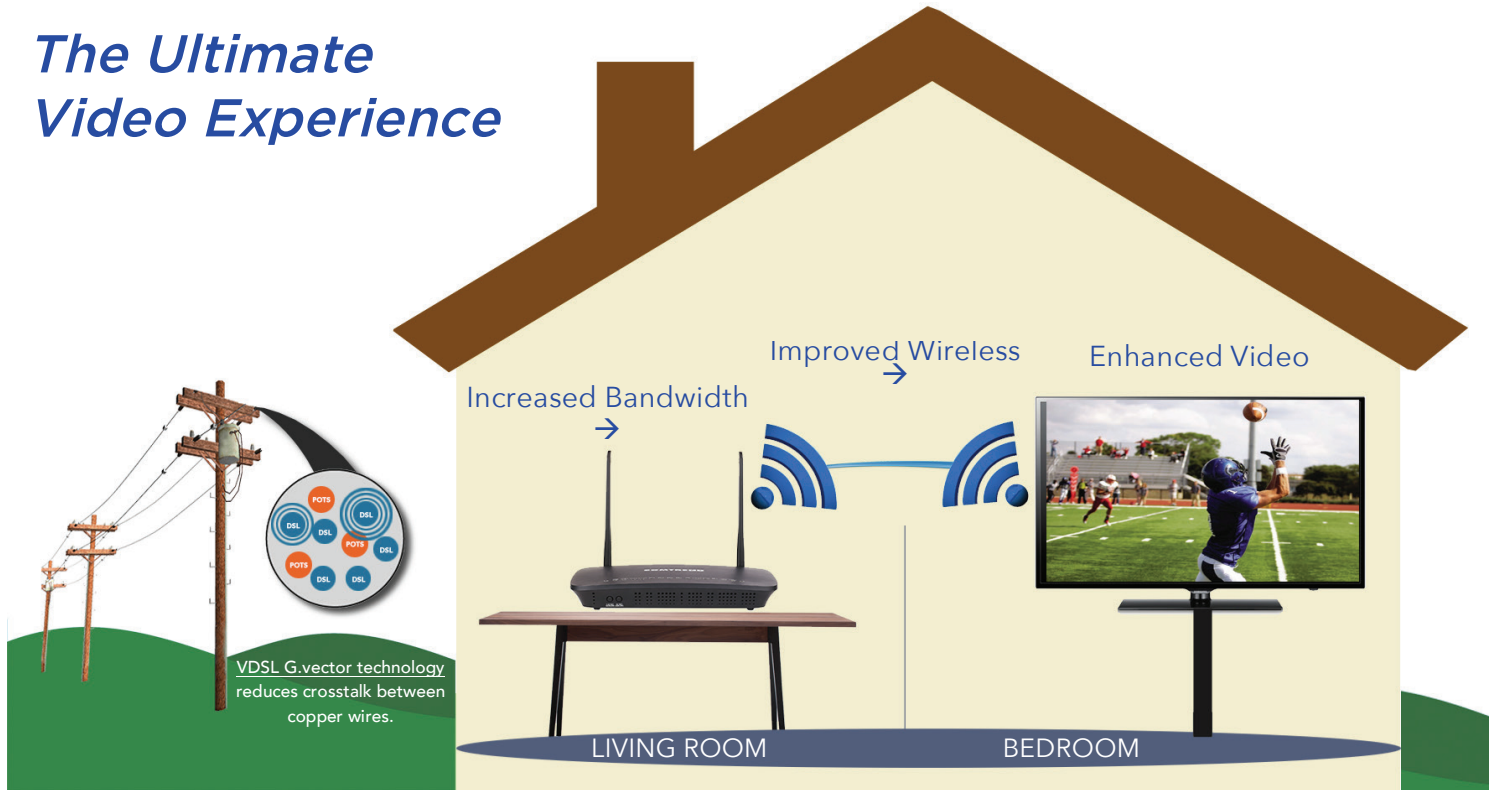
Allows for Deployment Versatility

Use a single unit for copper and fiber deployments. Equipped with a combo WAN/LAN port to be configured either as WAN for fiber deployments or an additional LAN port for copper deployments.

Future-Proofs with A/VDSL

The NexusLink 3120 offers VDSL2 with ADSL2+ fallback for flexible future transitional deployments. Use a single unit for both ADSL2+ and VDSL2 deployments.

The Ultimate Video Experience



INCREASED BANDWIDTH

VDSL technology G.vector reduces crosstalk noise resulting in increased bandwidth and performance.



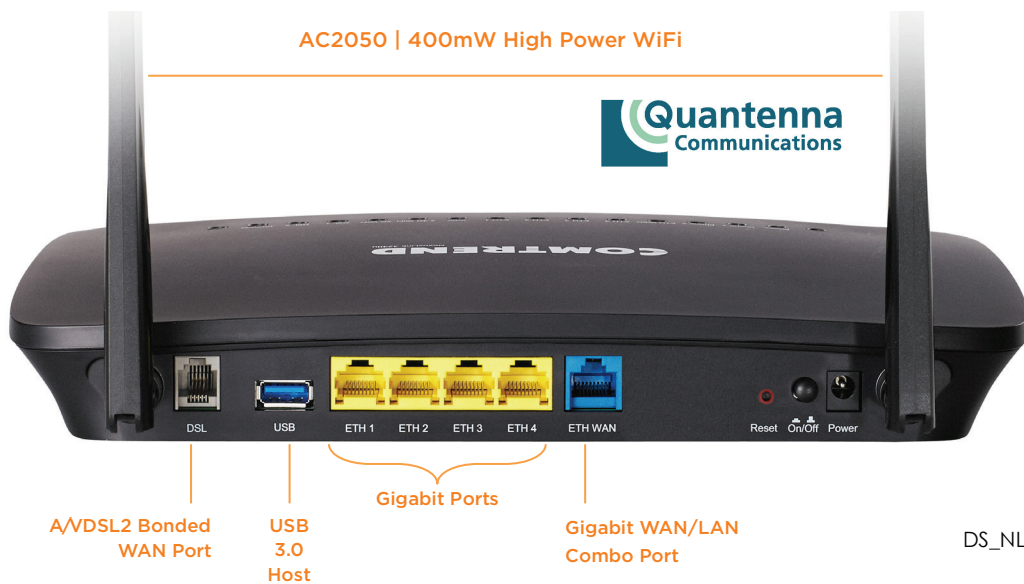
IMPROVED WIRELESS

Dynamic digital beamforming technology sends a direct wireless signal to the device, improving wireless range and connectivity.



ENHANCED VIDEO

Quantenna's 4x4 AC2050, MU-MIMO wireless technology delivers super-charged wireless connectivity for the ultimate video streaming experience.



A/VDSL2 Bonded WAN Port

USB 3.0 Host

Gigabit Ports

Gigabit WAN/LAN Combo Port

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NL-3120

SPECIFICATIONS

Hardware

- RJ-14 X 1 for ADSL2/VDSL2
- RJ-45 X 4 for LAN (10/100/1000 Base-T auto-sense)
- RJ-45 X 1 for WAN (10/100/1000 Base-T auto-sense)
- Reset button X 1
- WPS & WiFi On/Off button X 2
- WiFi Antennas X 4 (Internal X 2, External X 2)
- Power switch X 1
- USB 3.0 Host X 1

VDSL Features

- Supports VDSL profiles, 8a/b/c/d, 12a/b, 17a, 30a and 35b
- Supports VDSL band plan, Annex A, 997, 998
- Packet Transfer Mode (PTM) up to 17a bonding
- US0 support
- Seamless Rate Adaption (SRA)
- G.INP support
- G.Vector support

ADSL Features

- T1.413, G.992.1 (G.dmt), G.992.2 (G.lite), G.992.3 (ADSL2) and G.992.5 (ADSL2+)
- Annexes A, L (Reach Extended ADSL2), and M (Enhanced Upstream Speed)
- Seamless Rate Adaption (SRA)
- Supports VC-based and LLC-based multiplexing
- Supports up to 16 PVCs
- ATM shaping: UBR/CBR/VBR-rt//VBR-nrt
- G.INP support

WLAN

- IEEE 802.11n 2.4GHz, backward compatible with 802.11b/g
 - 400mW high power
 - 2T2R antenna array
 - Up to 300Mbps PHY rate
- IEEE 802.11ac 5GHz, backward compatible with 802.11a/n
 - 400mW high power
 - 4T4R antenna array
 - Up to 1733Mbps PHY rate
- WPA/WPA-PSK, WPA2/WPA2-PSK with TKIP & AES security type
- Multiple SSID
- MAC address filtering

LAN

- 10/100/1000 Base T, IEEE 802.3, IEEE 802.3u IEEE 802.3ab
- Supports MDI/MDIX

USB

- File sharing
- Printer Server

Management

- TR-069/TR-098/TR-104/TR-111, SNMP, Telnet, Web-based management, Configuration backup and restoration
- Fine Point's TR-069 enhanced functionality is available on this model with specified software
- Software upgrade via HTTP, TFTP server, or FTP server

Networking Protocols

- RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Router, RFC 2516 (PPPoE); RFC 1577 (IPoA)
- PPPoE pass-through, Multiple PPPoE sessions on single WAN interface
- PPPoE filtering of non-PPPoE packets between WAN and LAN
- Transparent bridging between all LAN and WAN interfaces
- 802.1p/802.1q VLAN, DSCP
- IGMP Proxy V1/V2/V3, IGMP Snooping V1/V2/V3, Fast leave
- Static route, RIP v1/v2, ARP, RARP, SNTP
- DHCP Server/Client/Relay, DNS Proxy/ Relay, Dynamic DNS, UPnP, DLNA
- IPv6 Dual Stack, IPv6 Rapid Deployment (6RD)

Firewall/Filtering

- Stateful Packet Inspection Firewall
- Stateless Packet Filter
- Parental Control
- URI/URL filtering
- Denial of Service (DOS): ARP attacks, Ping attacks, Ping of Death, LAND, SYNC, Smurf, Unreachable, Teardrop
- Port Scan Detection and Protection
- TCP/IP/Port/interface filtering rules support both incoming and outgoing filtering

NAT/PAT

- Support One to One, Many to One, Many to Many (Overload), Many to Many (No Overload) NAT
- NAT Loopback
- Port Triggering
- Port Forwarding (Virtual Server)
- Symmetric port-overloading NAT, Full-Cone NAT
- DMZ host
- VPN Pass Through (PPTP, L2TP, IPSec)

Environmental Conditions

- Operating temperature: 32~104°F (0~40°C)
- Relative humidity: 5~95% (non-condensing)

Note: Specifications are subject to change without notice

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