

NL-3240

COMTREND

HIGH POWER AC2050

BONDED A/VDSL2 & VoIP GATEWAY

400mW High Power | AC2050 | TR-069 | 5 Gig Ports | 2 FXS Ports

PRODUCT OVERVIEW

The NexusLink 3240 (NL-3240) is a bonded A/VDSL2 Gigabit Wireless Router that offers competitive Internet speeds in FTTH, or last-mile copper deployments with the added benefit of voice ports for VoIP services.

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



2 FXS Ports for VoIP Services!

KEY BENEFITS

Maximizes Video Streaming

Equipped with Quantenna's latest 802.11ac Wave 2 technology, the NexusLink 3240 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

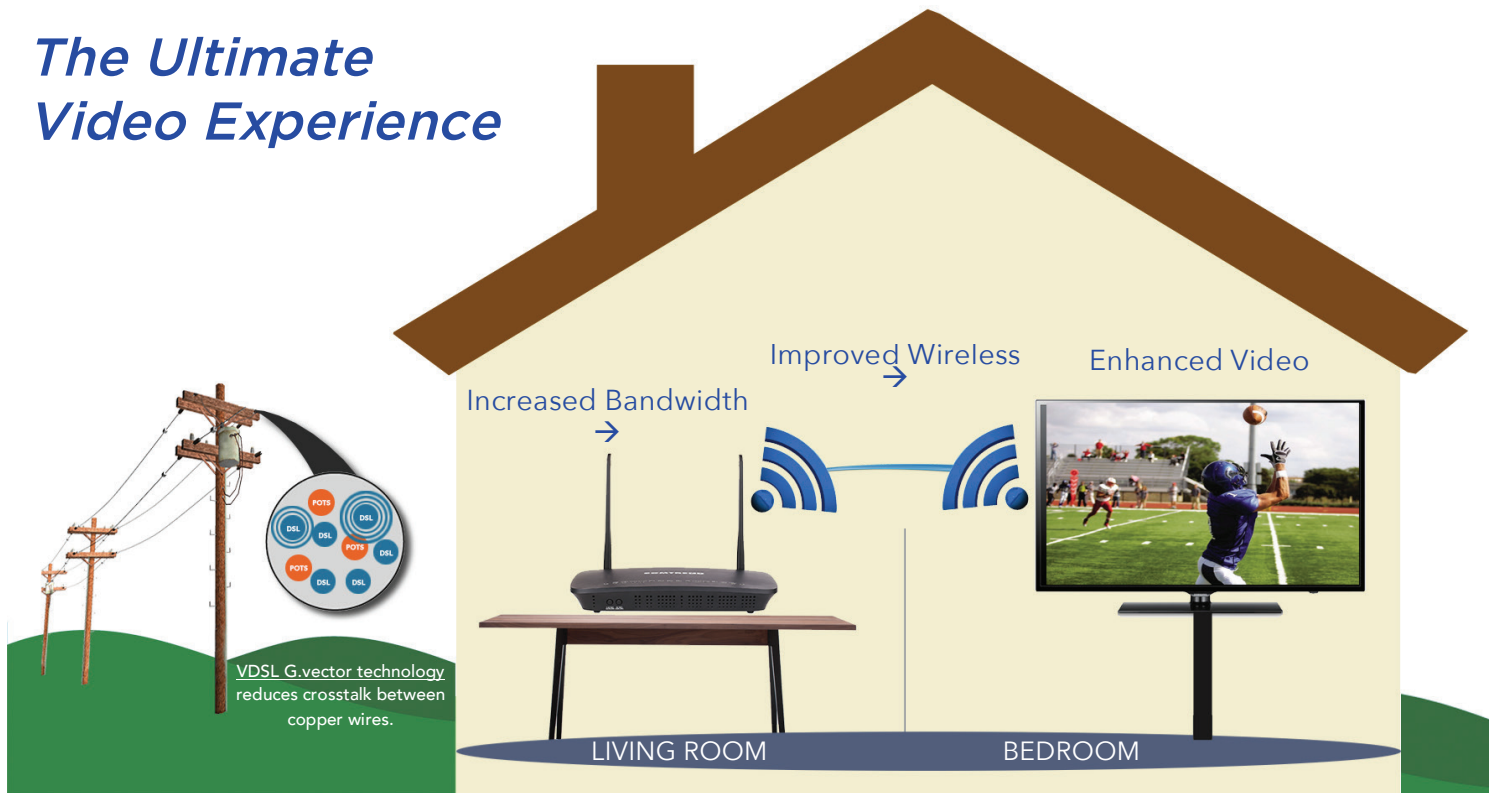
Use a single unit for copper and fiber deployments. Equipped with a combo WAN/LAN port to be configured either as WAN for fiber deployments or an additional LAN port for copper deployments.

Future-Proofs with A/VDSL

The NexusLink 3240 offers VDSL2 with ADSL2+ fallback for flexible future transitional deployments. Use a single unit for both ADSL2+ and VDSL2 deployments.

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The Ultimate Video Experience



INCREASED BANDWIDTH

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

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IMPROVED WIRELESS

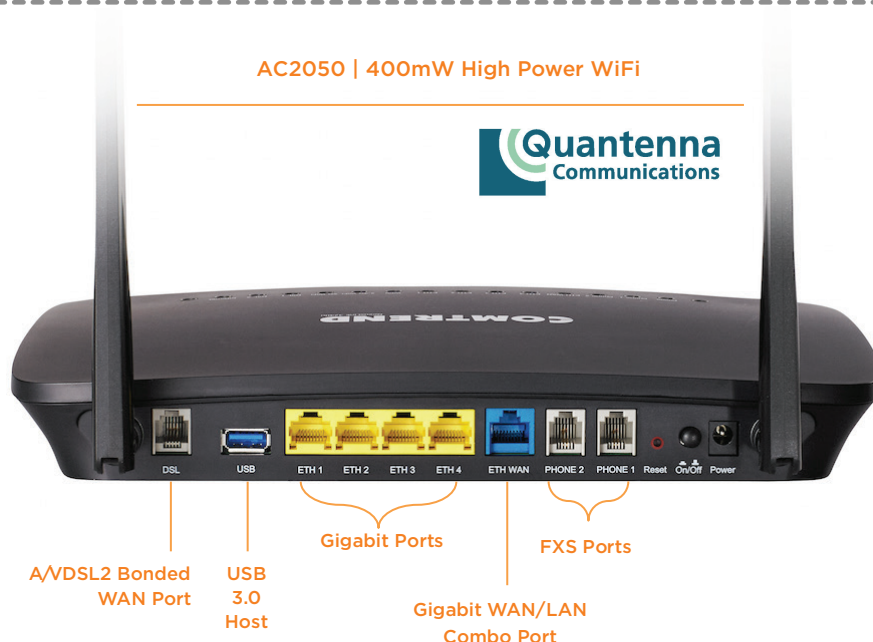
Dynamic digital beamforming technology sends a direct wireless signal to the device, improving wireless range and connectivity.

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ENHANCED VIDEO

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

AC2050 | 400mW High Power WiFi



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) - FXS X 2 - 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
Voice Functions
- SIP: RFC 3261; Codec: G.711, G.723, G.726, G.729ab; RTP: RFC 1889; SDP: RFC 2327; Echo cancellation: G.168 - Caller IDL ETSI based - Silence suppression

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)
USB
File sharing & printer server
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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