NL-3122

COMTREND

WIRED | BONDED A/VDSL2 GATEWAY

4 Gigabit Ethernet Ports | TR-069

PRODUCT OVERVIEW

The NL-3122 is a high performance, Bonded A/VDSL2 Gateway that is ideal for Service Providers that want more flexible Wireless integration.

BYOW
BRING YOUR OWN WIRELESS

- Offers the latest in bonding (up to profile 17a) with twice the downstream/ upstream bandwidth over comparable single-line models
- Well suited for residential or small office environments that need high-speed Internet access for applications such as online gaming, video streaming, and real-time audio
- Robust capabilities to segment and router IP protocol
- TR-069 compliance for hassle-free setup and configuration

KEY BENEFITS

Gigabit Speed Wired Connections
Features the latest in Bonded A/VDSL2 technology with speeds up to 300Mbps (single line), while Gigabit ports support LAN traffic at 1000Mbps.

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

Quality of Service
Classifies, controls, and prioritizes diverse traffic types, for pristine video, toll-quality voice, and error-free data transmissions.

Future-Proofs with Bonded A/VDSL
Offers VDSL2 with ADSL2+ fallback for flexible future transitional deployments. Use a single unit for both ADSL2+ and VDSL2 deployments.

NL-3122

SPECIFICATIONS

Hardware

- RJ-14 X 1 for
  - 35b VDSL single line
  - 17a VDSL bonding
  - ADSL2+ (Annex A) bonding
- 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
- Power switch 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

LAN

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

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)

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

Diagnostics

- ATM F4/F5 OAM, 802.1ag, 802.3ah
- Ping, TraceRoute
- TR-143 (Network Throughput Performance Tests and Statistical Monitoring)

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)
- Operating humidity: 5~90% (non-condensing)
- Storage temperature: -23~149°F (-25~65°C)
- Storage humidity: 5~90% (non-condensing)

Note: Specifications subject to change without notice.

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