

xDSL Bonding, Dual Band WiFi

xDSL Bonding | Giga Ethernet Port | WiFi 11n&11ac | USB 3.0 Host

NexusLink 3120ua Bonding Router



NexusLink 3120ua is a Multi-DSL bonding router using the BCM 63138. It not only provides both ADSL and VDSL but also supports xDSL bonding for extend WAN access bandwidth. Integrated 5 Giga Ethernet ports and WLAN 802.11n 2.4GHz frequency band and 802.11ac 5GHz Frequency band. Therefore, NexusLink 3120ua is designed for high speed applications and is suitable for triple play services.

NexusLink 3120ua own 1*USB3.0 host port which provide high speed access with USB device such as printer server, 3G dongle, HDD, and future DLNA connectivity. In addition, NexusLink 3120ua follow TR-069 then center management (ACS) is easily.

FEATURES

- Multi-DSL Bonding
- Supports both ADSL2+ and VDSL2 (up to 17a Profile); support G. Vectoring
- Automatically switches to ADSL2+ /VDSL2 according to the port setting of DSLAM
- IP QoS
- UPnP
- Integrated 802.11 b/g/n AP
- WPA and 802.1x/ WPS 2.0/ RADIUS client
- IP/MAC address filtering
- Static route/RIP/RIP v2 routing functions
- IGMP Proxy and fast leave
- NAT/PAT
- Supports SP/WFQ/WRR for QoS
- Per-PVC packet level QoS
- IGMP Proxy/ fast leave/ Snooping/ Proxy
- DHCP Server/Client
- Embedded SNMP agent
- IP/MAC address filtering
- Static route/ RIP/ RIP v2 routing function
- DNS Proxy/Relay
- 3G Backup/ Printer Server (IPP)/ File sharing
- FTP/TFTP server

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SPECIFICATIONS

Hardware

- RJ-11 X1 for ADSL2+ / VDSL2, 17a
- RJ-45 X 4 for LAN,
- RJ-45 X 1 for WAN,
- Reset Button X 1,
- WPS & Wi-Fi On/Off button X 2
- Internal Wi-Fi Antennas x 2
- External Wi-Fi Antennas x 2
- Power switch X 1
- USB 3.0 Host X 1

WAN

- ADSL2+:single line and bonding
- VDSL2 17a, single line and bonding
- 10/100/1000 Base T, IEEE 802.3, IEEE 802.3u IEEE 802.3ab

LAN

- IEEE 802.3, IEEE 802.3u IEEE 802.3ab
- 10/100 /1000 BaseT auto-sense
- Support MDI/MDX

WLAN

- IEEE 802.11n 2T2R, backward compatible with 802.11g/b
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
- Up to 300 Mbps data rate
- MAC address filtering, WEP, WPA, IEEE 802.1x
- 10, 25, 50, 100mW @ 22MHz channel bandwidth output power level can be selected according to the environment
- IEEE 802.11ac 4T4R, backward compatible with 802.11n/a

ATM Attributes

- RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Route;
- RFC 2516 (PPPoE); RFC 1577 (IPoA)
- Support 16 PVCs
- AAL5
- UBR/CBR/VBR
- UNI 3.1/4.0
- OAM F4/F5

Networking Protocols

- RFC 1483/2684 VC-MUX, LLC/SNAP encapsulations for bridged or routed packet
- IPoEoA (MER), IPoA, PPPoA, IPoE, PPPoE
- 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 support
- Spanning Tree Algorithm
- 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
- Internet Printing Protocol
- UPnP
- IPv6 subset

Firewall/Filtering

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

NAT/NAPT

- 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)

Management

- TR-069/TR-098/TR-104/TR-111, SNMP, Telnet, Web-based management, Configuration backup and restoration
- Software upgrade via HTTP, TFTP server, or FTP server

Routing Functions

- Static route, RIP, and RIPv2, NAT/PAT, DHCP Server/ DHCP Relay, DNS Proxy, ARP

Environmental Conditions

- Operating temperature: 0 ~ 40 degrees Celsius
- Relative humidity: 5 ~ 95% (non-condensing)



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