

xDSL Bonding, Dual Band WiFi

xDSL Bonding | Giga Ethernet Port | VoIP | WiFi 11n&11ac

NexusLink 3241u Bonding IAD



NexusLink 3241u is a Multi-DSL bonding IAD 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 3241u is designed for high speed applications and is suitable for triple play services.

NexusLink 3241u own 1*USB2.0 host port which provide high speed access with USB device such as printer server, 3G dongle, HDD, and future DLNA connectivity. It also has two FXS ports for the VoIP service. In addition, NexusLink 3241u follow TR-069 then center management (ACS) is easily.

FEATURES

- Multi-DSL Bonding and VoIP Integrated
- 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
- WAP and 802.1x
- RADIUS client
- IP/MAC address filtering
- Static route/RIP/RIP v2 routing functions
- IGMP Proxy and fast leave
- DHCP Server/Relay/Client
- Supports QoS (Quality of Service) for voice
- Supports caller ID display and restriction
- Supports call hold, call waiting, call forwarding, call transfer, 3-way conference
- Supports Direct number dialing
- Supports T.38
- Supports VPN Pass-Through
- Supports Day-time parental control
- Supports TR-069/TR-098/TR-104/TR-111
- Supports remote administration, automatic firmware upgrade and configuration
- User Friendly Color connections

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SPECIFICATIONS

Hardware

- RJ-11 X1 for ADSL2+ bonding / VDSL2, 17a bonding
- RJ-45 X 4 for LAN,
- RJ-45 X 1 for WAN,
- FXS X2
- Reset Button X 1,
- WPS button x 1
- Wi-Fi On/Off button X 1
- Internal Wi-Fi Antennas x 1
- External Wi-Fi Antennas x 2
- Power switch X 1
- USB 2.0 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
Up to 300 Mbps data rate
- IEEE 802.11ac 3T3R, backward compatible with 802.11n/a
Up to 1.3 Gbps data rate
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
- MAC address filtering, WEP, WPA, IEEE 802.1x

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



Management

- SNMP, 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.

Bridge Functions

- IEEE 802.1d
- VLAN support
- Spanning Tree Algorithm
- IGMP Proxy

Routing Functions

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

Security Functions

- PAP, CHAP, TCP/IP/Port filtering rules, Port triggering/Forwarding, Packet and MAC address filtering, access control, SSH

QoS

- L3 policy-based QoS, IP QoS, ToS

Voice Functions

- SIP: RFC 3261
- MGCP: RFC 3435
- Codec: G.711, G.723.1, G.726, G.729ab
- RTP: RFC 1889
- SDP: RFC 2327
- Caller ID: ETSI based
- Echo cancellation: G.168
- Silence suppression

Power Supply

- External power adapter: 12VDC/ 2.5A

Environmental Conditions

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



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