

ADSL2+/VDSL2

Multi DSL | Giga Ethernet Port | VoIP | WiFi 11n&11ac | USB Host

VI-3238u

Wireless VoIP IAD



VI-3238u is a Multi-DSL wireless IAD using the last BCM 63168V that not only provides both ADSL and VDSL but also supports 5 Giga Ethernet ports. It also supports WLAN 802.11n 2.4GHz frequency band and 802.11ac 5GHz Frequency band. Therefore, VI-3238u is designed for high speed applications and is suitable for triple play services.

VI-3238u has 2*USB2.0 host port for printer server, 3G dongle, HDD, and future DLNA connectivity. It also has two FXS ports for the VoIP service. In addition, VI-3238u will follow TR-068 on LED indication and connectors, which can create a friendlier interface for user to easily identify different status of VI-3238u

FEATURES

- Multi-DSL VoIP and Router 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+/VDSL2,
- RJ-45 X 4 for LAN,
- RJ-45 X 1 for WAN,
- FXS X2
- Reset Button X 1,
- WPS & Wi-Fi On/Off button X 2
- Internal Wi-Fi Antennas
- Power switch X 1
- USB Host X 2

WAN

- ADSL standard
ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ANSI T1.413
Issue 2, AnnexM
- ADSL2+:
Downstream : 24 Mbps Upstream : 1.3 Mbps
- VDSL2 standard
ITU-T G.993.2 (supporting profile 8a, 8b, 8c, 8d, 12a, 12b, 17a)
Support G. Vectoring
- VDSL2
Downstream : 100 Mbps Upstream : 60 Mbps

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 3T3R, 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

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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