

ZISA V802VWL

AD/VDSL Bonding VOIP WIFI IAD Router



Description

The V802VWL Bonding is a high-speed VDSL IAD. It provides sufficient bandwidth for high performance connection to the Internet. It has Web-based graphic user interface (GUI), in which you can easily modify the settings and connect to your ISP. It also provides flow statistics, connection status, and other detailed information. The GURNVB5.OT132A-C_12a Bonding is easily upgraded and provides terminal users and ISP with the guarantee of future.

The V802VWL Bonding provides one xDSL Bonding interface, four Ethernet interfaces, one WAN interface, two FXS interfaces, one FXO interface, two USB host 2.0 interface and two 5G or 2.4G internal WIFI antennas. The telephone interface is used for connecting to the Internet provided by the telecom carrier. The Ethernet and WIFI are used for connecting to computers, through which you can access the Internet. The WIFI interface support 802.11n 2.4GHz or 5GHz band. It is an ideal broadband CPE solution for both home users who wish to share high-speed Internet access and small offices that wish to do business on the Internet.

Applications Diagram

- Network online gaming
- High Internet access sharing
- High rate broadband sharing
- Small enterprises application
- Home networking application

Specifications

System Specifications

- Chipset BCM63168V
- DRAM DDR3 1Gbit
- Flash 16MB or NAND 1Gbit
- Wi-Fi 2.4GHz BCM43217, 802.11b/g/n, 2T2R

Features and Technical Specifications

ADSL Features

- ☐ T1.413i2, G.992.1
- ☐ G.dmt, G.992.2, G.lite
- ☐ G.992.3 (G.bis/ADSL2)
- ☐ G.992.5 (ADSL2+)
- ☐ ITU G.994.1 (G.hs)
- ☐ Annex L (Reach Extended ADSL2)
- ☐ Support ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits(PVCs)
- ☐ Support CBR, UBR, VBRrt, VBR-nrt
- ☐ Support multiple PVCs
- ☐ Support ITU-T i.610F4/F5 OAM

VDSL Features

- ☐ ITU-T G.993.2 VDSL2
- ☐ Support 8a,8b,12a,12b,17a profile
- ☐ Support G.vector
- ☐ Support ATM and PTM
- ☐ Support G.INP

Protocol Features

- ☐ RFC2684 multiprotocol Encapsulation over ATM Adaptation Layer 5
- ☐ RFC1483 multiprotocol Encapsulation over ATM Adaptation Layer 5
- ☐ RFC2364 PPP over ATM ALL5 (PPPoA)
- ☐ RFC2516 PPP Over Ethernet (PPPoE)
- ☐ RFC1662 PPP in HDLGlke Framing
- ☐ RFC1332 PPP Internet Protocol Control Protocol
- ☐ RFC1577/2225 Classicd IP and ARP over ATM (IPoA)
- ☐ RFC894 A Standard for the Transmission of IP Datagrams overEthernet Networks
- ☐ RFC1042 A standard for the Transmission of IP Datagrams over IEEE802 Networks
- ☐ MER (a.k.a IP over Ethernet over AAL5)
- ☐ Support ALG (Application Level Gateways)
- ☐ IEEE802.3

- ☐ IEEE802.3u
- ☐ IEEE 802.11b
- ☐ IEEE 802.11g
- ☐ IEEE 802.11n

Bridging Features

- ☐ Selflearning bridge (IEEE 802.1D Transparent Bridging)
- ☐ At least 64 learning MAC addresses
- ☐ Support IGMP snooping

Routing Features

- ☐ RFC768 UserDatagram Protocol (UDP)
- ☐ RFC791 Internet Protocol (IP)
- ☐ RFC792 Internet Control Message Protocol (ICMP)
- ☐ RFC793 Transmission Control Protocol (TCP)
- ☐ RFC826 An Ethernet Address Resolution Protocol (ARP)
- ☐ RFC862 Echo Protocol
- ☐ Support IP routing
- ☐ Support transparent bridging
- ☐ Support source and destination routing
- ☐ Support DHCP server/client
- ☐ Support UPnP
- ☐ Support NAT,NAPT
- ☐ Support DMZ
- ☐ Support IP QoS
- ☐ Support IGMP proxy
- ☐ Support IPv6

Management

- ☐ Device Configuration, Management and Update
- ☐ Web based GUI
- ☐ Localization support
- ☐ Embedded web server
- ☐ Download image via HTTP, TFTP client, TFTP server, FTP server
- ☐ Command Line Interface via serial port, telnet, or ssh
- ☐ Menu-driven CLI via serial port or telnet
- ☐ Universal Plug and Play (UPnP)Internet Gateway Device (IGDv1.0)
- ☐ WAN Management Protocol (TR-069)
- ☐ SNMP v1/v2
- ☐ PSI configuration file upload and download
- ☐ Date/time update from SNTP Internet Time Server

Security

- ☐ Threelevel login including local admin, local user, and remote technical support access
- ☐ Service access control based on incoming interface: WAN or LAN
- ☐ Service access control based on source IP addresses
- ☐ Protect DOS attacks from WAN: SYN flooding, IP surfing, ping of Death, fragile, UDP ECHO (port 7), teardrop, land
- ☐ PAP (RFC1334), CHAP (RFC1994), MSCHAP for PPP session
- ☐ IP filter, Parental control

Wireless Features

Standard

IEEE802.11b/g/n

Modulation schemes

- ☐ 802.11g: 64QAM, 16QAM, QPSK, BPSK,DSSS
- ☐ 802.11b: CCK, DQPSK, DBPSK
- ☐ HT20 and HT40: 64 QAM, 16QAM, QPSK,BPSK

Wireless data rate

- ☐ 802.11b: 11, 5.5, 2, 1 Mbps per channel, autofallback for extended range
- ☐ 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbpsper channel, auto fallback for extended range
- ☐ HT20: up to 150 Mbps
- ☐ HT40: up to 300 Mbps

Security

64-bit, 128-bit WEP, AES, TKIP, WPA, WPA2,802.1x

VoIP Protocol

- ☐ RFC 2617 : HTTP Authentication: Basic and Digest Access Authentication.
- ☐ RFC 2833 RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals
- ☐ RFC 3261: SIP: Session Initiation Protocol
- ☐ RFC 3262 Reliability of Provisional Responses in the Session Initiation Protocol (SIP)
- ☐ RFC 3263: Session Initiation Protocol (SIP): Locating SIP Servers
- ☐ RFC 3264: Offer/Answer Model with Session Description Protocol(SDP)
- ☐ RFC 3265 SIP Specific Event Notification
- ☐ RFC 3311: The Session Initiation Protocol UPDATE Method
- ☐ RFC 3323 A Privacy Mechanism for the Session Initiation Protocol SIP), For further information see the CLIP/CLIR/CNIP/CNIR document.
- ☐ RFC 3325: Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks
- ☐ RFC 3515 The Session Initiation Protocol (SIP) - Refer Method
- ☐ RFC 3842: A Message Summary and Message Waiting IndicationEvent Package for the Session Initiation Protocol (SIP)
- ☐ RFC 3891: The Session Initiation Protocol (SIP) "Replaces" Header

- RFC 3960 Early Media and Ringing Tone Generation in the Session Initiation Protocol(SIP)
- RFC3959 The Early Session Disposition Type for the Session Initiation Protocol (SIP)
- RFC 4028 Session Timers in the Session Initiation Protocol (SIP) T.38: Procedures for real-time Group 3 facsimile communication over IP networks

External Connectors

- 1 x VDSL interface
- 2x FXS
- 1x FXO
- 4 x RJ45 LAN Ethernet interfaces 10M/100M
- 1 x 10M/100M/1000M WAN Interface
- 2 x USB 2.0 host
- 1 x reset button
- 1 x WPS button
- 1 x WLAN button
- 1 x power jack
- 1 x power switch

Environment Requirement

- Operating Temperature 0°C—40°C
- Storage Temperature -20°C—70°C
- Operating Humidity 10%—95%, non-condensing
- Storage Humidity 5%—95%, non-condensing
- Power Supply 12VDC, 2 A
- Consumption 18 W (including power Adapter)

EMC and Safety

- Regulation Compliance
- CCC Class B
- CE
- Safety Regulations UL
- Green Standard RoHS

Physical Characteristics

- Physical Dimension 180x130x40
- Weight 0.4Kg

ZISA Corporation Limited

Tel: +86-10-52885062 Fax: +86-10-58236899

Mail to : sales@zisacom.com.cn

URL: <http://www.zisacom.com.cn>

Specifications are subject to change without notice.

Copyright © ZISA Corp. All rights reserved.



