xDSL Router, Dual Band WiFi

Multi-DSL | Giga Ethernet Port | WiFi 11n&11ac | USB 3.0 Host

VR-3060u
VDSL Router

VR-3060u is a Multi-DSL router using the BCM 63138. It not only provides both ADSL and VDSL but also integrated 5 Giga Ethernet ports and WLAN 802.11n 2.4GHz frequency band and 802.11ac 5GHz Frequency band. Therefore, VR-3060u is designed for high speed applications and is suitable for triple play services.

VR-3060u 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, VR-3060u follow TR-069 then center management (ACS) is easily.

FEATURES

- 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 1
· External Wi-Fi Antennas x 2
· Power switch X 1
· USB 3.0 Host X 1

WAN
· Comply with 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
· Comply with G.993.2 (supporting profile 8a, 8b, 8c, 8d, 12a, 12b, 17a)
· VDSL2:   Downstream : 100Mbps   Upstream : 60Mbps
· 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 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

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,SYNC, 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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