

xDSL Router, Dual Band WiFi

Multi-DSL | Giga Ethernet Port | WiFi 11n&11ac | USB 2.0 Host

VR-3061u Preliminary edition

VDSL Router



VR-3061u is a Multi-DSL router using the BCM 63136. 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-3061u is designed for high speed applications and is suitable for triple play services.

VR-3061u 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. In addition, VR-3061u follow TR-069 then center management (ACS) is easily.

FEATURES

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| <ul style="list-style-type: none"> · Supports both ADSL2+ and VDSL2 (up to 35b 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 | <ul style="list-style-type: none"> · 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, 35b
- RJ-45 X 4 for LAN,
- RJ-45 X 1 for WAN,
- Reset Button X 1,
- WiFi On/Off button X 1
- WPS 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

- 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, 35b)
- 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
- 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,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)



COMTREND CORPORATION

Taiwan:
3F-1, No.10, Lane 609, Chongxin Road, Section 5,
Sanchong Dist, New Taipei City 24159, Taiwan
Tel: 886-2-2999-8261
Fax: 886-2-2999-8497

Spain:
Edif. América II C/Prócion, 7 portal 3 bajo H 28023 Madrid,
Spain
Tel: 34-917990403
Fax: 34-913510999

USA & Canada:
16 Goodyear, Suite 120, Irvine, CA 92618
Tel: 1-949-7539640
Fax: 1-949-7539020

Czech Republic:
TOKOVO Jankovcova 1518/2, 170 00, Prague 7, Czech
Republic
Tel: 420-266-782040
Fax: 420-266-782990