

ADSL2+/VDSL2

4 Ethernet Ports | 1 USB Host | 802.11n

VR-3031eu Wireless Router



The VR-3031eu is an 802.11n compliant Multi-DSL router that supports both ADSL2+ and VDSL2. VDSL2 is a brand new standard and technology perfect for triple play (Video, Voice and Data) applications. The VR-3031eu comes with four 10/100 Base-T Ethernet ports, and one USB host, combining wired LAN connectivity and an integrated 802.11n WiFi WLAN Access Point (AP) for wireless connectivity.

The VR-3031eu is a cost effective solution designed to meet the needs of ISPs and carriers planning on deploying a single DSL device for covering end users in different loop range areas. Deploying VR-3031eu is cost effective for ISPs and carriers because deploying a single CPE DSL device with multiple profile support minimizes the number of required upgrades.

FEATURES

- Automatically switches to ADSL2+/VDSL2 according to the port setting of DSLAM
- Up to VDSL2 17a Profile
- US0
- PhyR and G.INP, G.Vector
- Up to 16 PVCs and Up to 8 PTM flows
- Auto WAN detection
- Integrated 802.11n AP (backward compatible with 802.11b/g)
- WPA, 802.1x and RADIUS client
- WMM, WPS 2.0
- IPv6 compliant
- UPnP
- IGMP Snooping/Proxy and Fast Leave
- DNS Proxy/Relay
- DHCP Server/Client
- Dynamic IP assignment
- NAT/PAT
- IP/MAC address filtering
- Static route and RIP/RIP v2 routing function
- Packet level QoS
- 3G Backup and Printer Server (IPP)
- USB mass-storage and file sharing (Samba)
- DLNA media server
- Embedded SNMPv2 agent
- Telnet/SSH/FTP/TFTP server
- TR-064/TR-069/TR-098/TR-111
- TR-069 compliant with Comtrend ACS
- Configuration backup and restoration
- Web-based management (HTTPS/HTTP)
- Remote administration, automatic firmware upgrade and configuration

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SPECIFICATIONS

Hardware

- RJ-11 X 1 for Multi DSL
- RJ-45 X 4 for LAN, (10/100 BaseT auto-sense)
- Reset Button X 1
- WLAN/WPS Button X 1
- Power Switch X 1
- USB Host X 1*

WAN Interface

- xDSL WAN
 - VDSL2 protocol:
 - Comply with G.993.2 (Profile 8a/b/c/d, 12a/b and 17a)
 - Comply with G.993.5 (G.Vector)
 - Annex B
 - ADSL protocol:
 - Comply with G.992.1, G.992.3, G.992.5
 - Annex B
- Ethernet WAN and 3G WAN

LAN

- IEEE 802.3, IEEE 802.3u
- Support MDI/MDX
- Multiple Subnets on LAN

Wireless

- IEEE802.11b/g/n
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
- Up to 300Mbps data rate
- Multiple BSSID
- MAC address filtering, WDS, WEP, WPA, WPA2, IEEE 802.1x
- WMM
- 10,25,50,100mW@22MHz channel bandwidth output power level can be selected according to the environment

3G

- Support 3G USB dongle
- Support 3G Backup

ATM Attribute

- Support 16 PVCs
- ATM QoS: UBR/CBR/VBR-rt/VBR-nrt
- UNI 3.1/4.0
- OAM F4/F5

PTM Attribute

- PTM Adaptation Layer: Ethernet packet format,
- Support 8 flows,
- Support preemption and dual latency,
- Support PTM shaping

Security

- PAP, CHAP, Packet and MAC address filtering, SSH
- IPsec Termination
- Three level login including local admin, local user and remote technical support access

Home Networking Service

- File Sharing (Samba) and support USB mass-storage
- DLNA Media Server
- Printer Server

Application Layer Gateway (ALG)

- SIP, IPsec, H.323, Yahoo messenger, ICQ, RealPlayer, Net2Phone, NetMeeting, MSN, X-box, Microsoft DirectX games and etc.

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)

QoS

- Packet level QoS classification rules
- Support three transmit priority queues (High, Medium and Low)
- IP TOS/Precedence
- 802.1p marking
- DiffServ DSCP marking
- Source/destination MAC addresses classification

Management

- TR-064/TR-069/TR-098/TR-111, SNMP, Telnet, SSH, Web-based management, Configuration backup and restoration
- Software upgrade via TR-069/HTTP/TFTP/FTP

Environment Condition

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

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Dimensions

- 171mm(W) X 122mm(H) X 39mm(D)

Kit Weight

- (1*VR-3031eu, 1*RJ11 cable, 1*RJ45 cable, 1*power adapter)
- 0.6 kg



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