

ADSL2+/VDSL2

4 Ethernet Ports | 1 USB Host | 802.11n (High Power)

VR-3033u Wireless Router



The VR-3033u 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-3038u comes with four 10/100 Base-T Ethernet ports, one USB host, combining wired LAN connectivity and an integrated high power 802.11n WiFi WLAN Access Point (AP) for wireless connectivity.

The VR-3033u is a 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-3033u 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

- . Annex A, UPnP, IPv6 compliant
- . Automatically switches to ADSL2+/ VDSL2 according to the port setting of DSLAM
- . Supports up to VDSL2 17a Profile
- . PhyR and G.INP
- . G.vector
- . Up to 16 PVCs
- . Up to 8 PTM flows
- . Supports TR-069/TR-098/TR-111
- . Configuration backup and restoration
- . Supports TR-064
- . Web-based management (HTTPS/HTTP)
- . Supports remote administration, automatic firmware upgrade and configuration
- . Integrated 802.11n AP (backward compatible with 802.11b/g)
- . WPA and 802.1x/ WPS 2.0/ RADIUS client
- . 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

VR-3033u

4 Ethernet Ports | 1 USB Host | 802.11n

SPECIFICATIONS

Hardware

- RJ-11 X 1 for ADSL2+/VDSL2
- RJ-45 X 4 for LAN, (10/100 BaseT)
- Reset button X 1
- WPS /WiFi on/off button X 1
- Power switch X 1
- USB 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

LAN

- IEEE 802.3, IEEE 802.3u
- Support MDI/MDI-X
- 10/100 BaseT Auto-sense

Wireless (High Power)

- 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
- MAC address filtering, WEP, WPA, IEEE 802.1x

ATM Attributes

- RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Route; RFC 2516 (PPPoE); RFC 1577 (IPoA)
- Support up to 16 PVCs
- AAL5
- UBR/CBR/VBR
- UNI 3.1/4.0
- OAM F4/F5

PTM Attributes

- ATM 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 etc.

Application Pass Through

- PPTP, L2TP, IPSec, SIP, Yahoo messenger, ICQ, RealPlayer, NetMeeting, MSN, X-box, 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)

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

Power Supply

- Input: AC 100-240V, Output: DC 12V/ 1.0A

Environment Condition

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



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