

# VR-3030

## VDSL2 Router / Modem



The VR-3030 Multi-DSL Router provides wired access for high-bandwidth applications in the home or office. It includes one Fast Ethernet port and supports ADSL2/2+ and VDSL2 connections with automatic fallback to ADSL2+. The VR-3030 supports routed or bridged mode and up to profile 17a in VDSL2 mode for up to 100Mbps of downstream high-speed bandwidth. With the exclusion of wireless access, support and installation is simple and straightforward.



## FEATURES

### Fast Wired Connections

The VR-3030 features ADSL2+ and VDSL2 (17a) with auto-switching based on DSLAM settings. One fast Ethernet port supports LAN traffic at speeds of up to 100 Mbps.

### Remote Management

The VR-3030 complies with TR-069/TR-098/ and TR-111 standards to ensure interoperability with standards-based software and hardware.

### Simplified Support

Since the VR-3030 has only 1 LAN port and no integrated wireless capabilities, installation is a breeze and post-installation support will remain low due to fewer support calls for wireless issues.

### Safe & Secure Connections

As the first level of protection, a Stateful Firewall (with DoS protection) and NAT/PAT help to isolate the LAN from external threats. IP and MAC address filtering provide fine-grained access control to or from the network. Advanced security technologies, such as Virtual Private Networks (VPN) with PPTP pass-through, L2TP pass-through and IPSec pass-through ensure secure networking.

### Quality of Service

Classify, control, and prioritise diverse traffic types, for pristine video, toll-quality voice, and error-free data transmissions.



# SPECIFICATION

## Hardware

- RJ-11 x1 for ADSL2+/VDSL2
- RJ-45 x 1 for LAN, (10/100 BaseT auto-sense)
- Reset Button x 1
- Power switch x 1

## WAN/LAN

- Support for G.inp, G.vector and PhyR
- Comply with ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ANSI T1.413 Issue 2, AnnexM
- G.992.5 (ADSL2+) Downstream : 24 Mbps Upstream : 1.3 Mbps, G.992.3 (ADSL2) Downstream : 12 Mbps Upstream : 1.3 Mbps
- G.DMT Downstream : 8Mbps Upstream : 832Kbps
- Comply with G.993.2 (supporting profile 8a, 8b, 8c, 8d, 12a, 12b, 17a)
- IEEE 802.3, IEEE 802.3u; Support MDI/MDX
- IEEE 802.3, IEEE 802.3u
- Support MDI/MDX
- Multiple Subnets on LAN

## ATM Attributes

- RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Router RFC 2516 (PPPoE); RFC 1577 (IPoA)
- Support up to 16 PVCs; AAL5; UBR/CBR/VBR-rt/VBR-nrt

## PTM Attributes

- Dual Latency

## 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

## Security Functions

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

## Dimensions

- 171mm(W) X 38mm(H) X 120mm(D)



## Networking Protocols

- RFC2684 VC-MUX, LLC/SNAP encapsulations for bridged or routed packet; RFC2364 PPP over AAL5; IPoA, PPPoA, PPPoE, Multiple PPPoE sessions on single PVC, PPPoE pass-through, PPPoE filtering of on-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 Relay, Dynamic DNS,
- IPv6 subset

## QoS

- Packet level QoS classification rules, priority queuing using ATM TX queues, IP TOS/Precedence, 802.1p marking, DiffServ DSCP marking, Src/dest MAC addresses classification.

## Firewall/Filtering

- Stateful 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; TCP/IP/Port/interface filtering rules Support both incoming and outgoing filtering

## NAT/NAPT

- Support Port Triggering and Port forwarding
- Symmetric port-overloading NAT, Full-Cone NAT
- Dynamic NAPT (NAPT N-to-1)
- Support DMZ host
- Virtual Server
- VPN Passthrough (PPTP, L2TP, IPSec)

## Application Layer Gateway (ALG)

- SIP, H.323, Gmail Chat, ICQ, RealPlayer, Net2Phone, NetMeeting, MSN, X-box, Microsoft DirectX games, etc.

## Environment Condition

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

*Note: Specifications are subject to change without notice*

