ADSL2+/VDSL2
4 Ethernet Ports
VR-3034
VDSL Router

The VR-3034 is four Fast Ethernet ports router 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-3034 comes with four 10/100 Base-T Ethernet ports.

The VR-3034 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-3034 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
- 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
- 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

VR-3034
4 Ethernet Ports

SPECIFICATIONS

Hardware
· RJ-11 X 1 for Multi DSL
· RJ-45 X 4 for LAN, (10/100 BaseT auto-sense)
· Reset Button X 1
· Power Switch 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)

  ADSL protocol:
  - Comply with G.992.1, G.992.3, G.992.5
  - Annex A

· Ethernet WAN

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

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

Application Layer Gateway (ALG)
· SIP, IPSec, H.323, Yahoo messenger, ICQ, RealPlayer, Net2Phone, NetMeeting, MSN, X-box, Microsoft DirectX games and etc.

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

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

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)

Dimensions
· 171mm(W) X 122mm(H) X 39mm(D)

Kit Weight
· (1*VR-3034, 1*RJ11 cable, 1*RJ45 cable, 1*power adapter)
· 0.6 kg

COMTREND CORPORATION