

KVR-3030

VDSL2 Router / Modem

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The KVR-3030 hardened super fast broadband router is fully approved for deployment on BT Openreach wires only FTTC service.

Already being deployed by carriers and Internet Service Providers to deliver high-bandwidth applications for the home and office, the VR-3030 modem has been hardened for outdoor use in the utility, transport and defence industries where availability with durability are paramount.

The router has been designed to meet a wide range of demanding applications such as railways, water treatment, substation automation, road and tunnels.



PRODUCT HIGHLIGHTS

- Support of ADSL2+ and VDSL2 (Profile 17A) modes for up to 100mbps or downstream high speed bandwidth.
- Can be deployed in routed or bridged mode
- Rapid service deployment with compliance to TR-069 / TR-098 and TR-III standards
- Wide range DC power input
- DIN rail mounting TS35
- Stateful firewall (with DOS protection) and NAT/PAT to isolate the LAN from external threats
- Support of Virtual Private Network (VPN) passthrough with PPTP, L2TP and IPSEC ensuring secure networking.
- CLI or WEB configuration
- QoS classify, control and prioritise diverse traffic types



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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

- 275mm(W) X 50mm(H) X 165mm(D)
- Desktop, Wall mountable, DIN rail mounting TS35

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: -10 ~ 40 degrees Celsius
- Rugged enclosed IP41

Power

- DC 20 - 72V, 12 Watts Max

Note: Specifications are subject to change without notice

