DR-250

ADSL2/ 2+ Router

- ADSL / ADSL2 / ADSL2+ Compatibility
- Four port switch
- Integrated RS-232 terminal server port
- SNMP Management protocol
- Firewall
- IPsec VPN support for up to 200 tunnels
- VRRP+,BGP, OSPF, RIP2, GRE, L2TP routing protocols
- DIN Rail, wall or shelf mounted
- –20˚C to +55˚C
- 10–28 VDC supply
- DES • 3DES • AES • SSL • SSH

Field of application

The DR-250 Is based on the very latest ADSL2/2+ platform, supporting the fastest broadband speeds available. ADSL2 offers considerable performance benefits over standard ADSL, including improved range and data rate. The DR-250 has an integral four port Ethernet switch and a 25 pin RS-232 serial interface for local connectivity. Devices that support serial protocols such as Modbus RTU, DF1, DNP3, IEC870 etc can be easily connected to the DR-250 via the serial port. The Ethernet interfaces support Multicasting (IGMP), VLAN, SNMP, SNTP, FTP, as well as all the standard TCP, UDP and DHCP protocols. The inbuilt RS-232 port can be used to connect legacy serial based equipment such as PLC's, RTU's or IED's. Alternatively the internal serial port can be used as a backup connection to the remote site when used in conjunction with a suitable Westermo Modem.

The DR-250 router has an integrated stateful inspection firewall. The unit is supplied with 20 IPSEC VPN (Virtual Private Network) terminations which can be secured using DES, 3DES, AES encryption and MD5 or SHA1 key exchange protocols. These features ensure that the remote sites can use the latest security technology to resist denial of service and hacking attacks. The VPN's can be used as a way of increasing security and to create secure tunnels, running between sites. The VPNs can be used to interconnect sites effectively replacing the requirement for dedicated leased lines. A VPN tunnel can be established between any of the DR or MR series routers. Alternatively VPN's can be created between the DR-250 and a third party router. An optional license for 50 or 100 VPN terminations is also available (up to a maximum of 200).

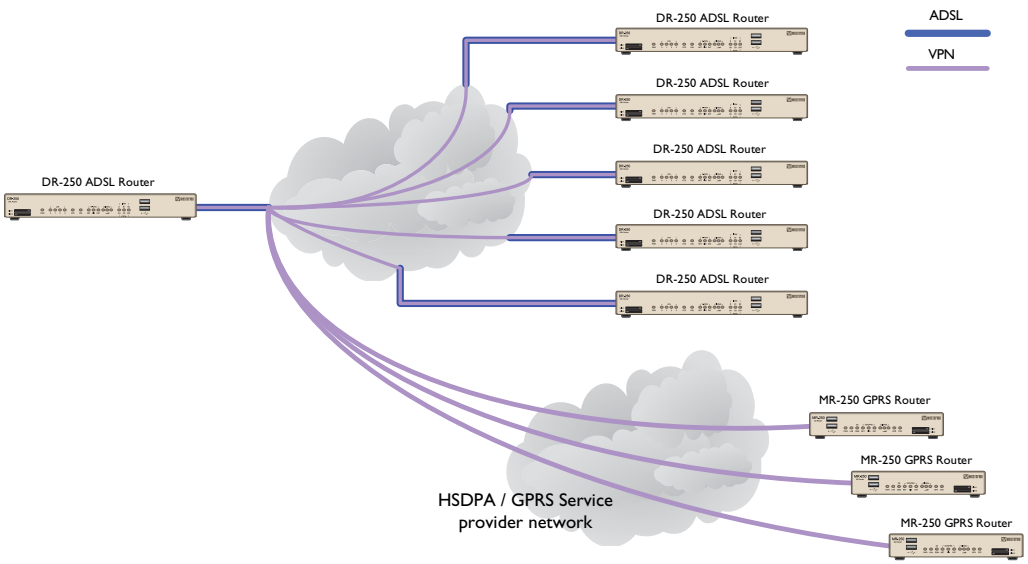
The DR-250 can also be used for remote sites access, allowing the user to browse WEB pages, monitor / edit PLCs or access any device connected to the LAN. The DR-250 will allow devices on the LAN to send emails or connect to FTP servers.

Multiple routers can be used on the same LAN to provide redundancy. The routers use VRRP (Virtual Redundant Router Protocol) to allow a seamless changeover between primary and backup routers. For complex mesh network applications the DR-250 supports OSPF, BGP and RIP2.

The DR-250 can be supplied with a combination of UTMS 3G/HSDPA wireless card, and or PSTN/ISDN to backup the primary ADSL should there be an interruption in service.

The wide temperature range, 10–28 VDC supply and DIN rail mounting ensure that the DR-250 can be used in industrial applications without the need for modification or consideration of the environmental conditions.

Application



Interfaces

Details

ADSL (WAN)	ADSL / ADSL2 /ADSL2+/ADSL2++ (quad spectrum downstream / double upstream). T1.413, TR-048 and UR-2 compliant. Optional UTMS 3G/HSDPA 1900/2100 Mhz
LAN	Ethernet 10/100 Mbit/s four port switch hub with auto Mdi / Mdx
Serial	25 Pin RS-232 Async – Sync up to 400 kbit/s
Case Material	Powder coated pressed steel
Temperature	–20˚C to +55˚C operating
Power	10 – 28 VDC 10 W
Size	240 mm x 150 mm x 35 mm
Protocols	TCP/IP • PPP • X.25 • XOT • FTP • SYNC TUNNELLING • SNMP • GRE • TELNET, VRRP & VRRP2, IGMP, RIP, OSPF, BGP
Security	IPsec (20 Tunnels Included) SSL • SSH DES • 3DES • AES Pre shared Key and Certificate authentication
Management	Web server & command line interface, remote & local access, SNMP
Network Features	Dynamic DNS & VPN tunnelling to enable use with dynamic network addresses