

DATA SHEET

Netopia® R910 Ethernet Routers



Netopia® R910

Small- and Medium-Sized Business Ethernet Routers

Business-class Broadband Ethernet Router for SMB Applications

HIGHLIGHTS

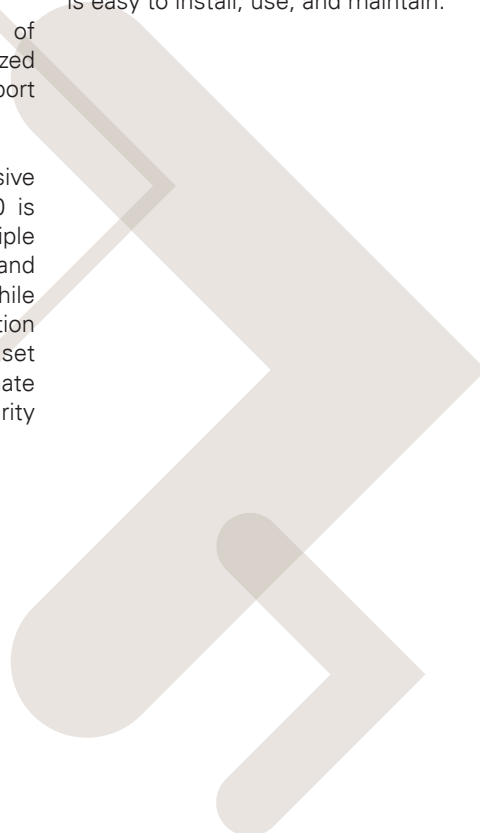
- Delivers routing, security, and VPN features designed for the small and medium business
- Simple and cost-effective design helps reduce SMB IT expenses for providing full featured routers for today's demanding applications
- Speed and performance with hardware-based VPN acceleration and an integrated Ethernet switch

The Motorola Netopia Enterprise Ethernet Router (R910) is an enterprise-class router equipped to handle the needs of small-, medium-sized, and distributed businesses.

The R910 comes standard with a wide-range of routing, security, and management features optimized for enterprise applications. It supports four-port Ethernet routing / LAN extension.

Unlike competitive solutions that require expensive and cumbersome firmware upgrades, the R910 is deployment ready for applications requiring multiple VPN connections, stateful firewall security, and enterprise-class remote management—all while increasing uptime with integrated VRRP solution for routing redundancy. The rich security feature set and high-performance hardware features eliminate the need for an additional firewall or VPN security appliance.

The R910 can serve as a high-performance VPN router. It is designed to support small- and medium-sized business users and managed service providers as well as to deliver business-class performance that is easy to install, use, and maintain.



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Specifications

HARDWARE FEATURES

WAN Interface	10/100 Ethernet (RJ-45)
LAN Interface	Four-port 10/100 Ethernet Switch (RJ-45)

LAYER 2 BRIDGING

802.1d MAC layer Bridging
MAC address learning and aging
512 Maximum MAC addresses learned
Multicast groups
Configurable Maximum Packet Size
VLAN 802.1q support
802.1x
Bridge and Routing mode selection

LAYER 3 ROUTING

Static routing
Default route
Numbered or unnumbered WAN interface
Up to 8 subnets on the LAN, with DHCP server associations
Transparent bridging option
Virtual router interfaces (ALAN)
Variable length subnet mask
RIP v1 and V2 on LAN/WAN
ICMP redirects
DHCP server
DHCP relay agent
DNS relay
DHCP client
Netbios proxy
BootP
PPP Dial on demand
HeartBeat capabilities
IGMP Multicast Forwarding (LAN)
IGMP Multicast Forwarding (WAN)
IGMP Snooping
IGMP Fast Leave
IGMP v1, v2 and v3
Multiple Primary LAN Subnets

IP ADDRESS TRANSLATION

Network renumbering (RFC 1631)
NAT / PAT / NAPT
Simultaneous NAT/NAPT sessions
NAT passthrough
Multiple PAT maps
Adjustable PAT range
Application layer gateways
SIP support

QUALITY OF SERVICE

DiffServ traffic prioritization through TOS
802.1p QoS
Configurable traffic prioritization by source and destination addresses
Port and Protocol

VPN (GATEWAY, CLIENT OR SERVER TERMINATION SERVICES)

VPN hardware performance acceleration embedded module
PPTP
L2TP
LNS — L2TP access Server
GRE
IPSec (IKE, AH, ESP, DES — 56-bits_ and 3DES [168-bits])
L2TP encapsulation in IPSec
Initiate and terminate VPN connections
Multiple number of VPN Tunnels

HIGH AVAILABILITY

Backup Default Gateway via an external router
Dial back-up via a console attached modem
Support external Analog Backup
Schedule connections
VRRP

SECURITY

Built-in firewall, packet filtering on source/destination address, service, and protocol; up to 255 rules in up to 8 filter sets
Policy based routing
SPI (Stateful Packet Inspection) Firewall
Denial of Service attacks (DoS)
Distributed DoS (DDoS)
Filter on source and/or destination IP/port value
Filter on SYN, ACK flags and ICMP
IPSec VPN Gateway, Tunnel Mode
Hardware accelerated
DES and 3DES encryption
Manual key and IKE
AH and ESP: MD5 and SHA1
Logging and scripting
Tiered Admin access
4 management users profiles
RADIUS (AAA) management authentication support
TACACS+ Authentication

MANAGEMENT

Management via menu-driven or CLI interfaces with console or Telnet access
Easy setup with menu-driven interface
Console Tiered Access, 2 levels of configuration access
Configuration Management, up to 3 backup user defined configurations
System diagnostics and logs
SNMP V1 and V2
TFTP or X-Modem download/upload of new firmware and configuration files
Utilities: ICMP ping, trace route, Telnet client, and Syslog client
LEDs: power, WAN, and Ethernet; link, status, activity indications
CLI (full featured scriptable with integrated help)
Internal Dial-in console mgmt
Configurable console timeout
Management port reassignment
Device and WAN event logs
SNMP v1 and 2 support with enterprise Mib's
Persistent configuration storage during power down
Firmware updates via TFTP
Time/date set via NTP

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Specifications (cont.)

REGULATORY

FCC Part 15, Class B

UL Listed, CSA Approval

ENVIRONMENTAL

Operating Temperature 0 °C to 40 °C (32 °F to 104 °F)

Storage Temperature 0 °C to 70 °C (32 °F to 158 °F)
(20% to 80% Non-condensing)

Power External, AC 100-240V,
50/60Hz, 1.2A

WEIGHT AND DIMENSIONS

Weight 1 lb (851 g) (unit carton)

Dimensions 9.45 in H, 7.95 in W, 2.25 in L
(24 cm x 20.2 cm x 5.7 cm)



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