

Physical Interfaces

- LAN ports: Eight (8) 10/100 Mbps auto-sensing, Auto Uplink RJ-45 ports (one Cat 5 UTP cable included)
- WAN port: 10/100BASE-T Ethernet RJ-45 port to connect to any Broadband modem, such as DSL or cable

Security Features

- Firewall: Stateful Packet Inspection (SPI) to prevent notorious Denial of Service (DoS) attacks, Intrusion Detection System (IDS) including logging, reporting and e-mail alerts, address, service and protocol, Web URL content filtering, prevent replay attack (reassembly attack). Advanced features include block Java/URL/ActiveX based on extension
- VPN Functionality: One Hundred (100) dedicated VPN tunnels, Manual key and IKE Security Association (SA) assignment with pre-shared key and RSA/DSS signatures, key life and IKE lifetime time settings, perfect forward secrecy (Diffie-Hellman groups 1 and 2 and Oakley support), operating modes (Main, Aggressive, Quick)
- IPsec support: IPsec-based 56-bit (DES) or 168-bit (3DES) encryption algorithm, MD5 or SHA-1 hashing algorithm, AH/AH-ESP support, PKI features with X.509 v.3 certificate support, remote access VPN (client-to-site), site-to-site VPN, IPsec NAT traversal (VPN pass-through), tunnel or transport operating mode
- Mode of Operation: Network Address Translation (NAT) transparent routing, static routing, unrestricted users per port
- IP Address Assignment: Static IP address assignment, internal DHCP server on LAN, DHC client on WAN, PPPoE client support

Performance Features

- Throughput: 50+Mbps WAN-to-LAN throughput, 15+Mbps 3DES (168 bit) VPN tunnel
- IP addressing: DHCP (client and server)
- Routing: RIP v1, RIPv2 (Static Routing, Dynamic Routing)
- VPN/Security: IPsec (ESP, AH), MD5, SHA-1, DES, 3DES, IKE

Management Features

- Administration Interface: Web graphic user interface, user name and password protected; Smart Wizard and Auto Detect for basic parameter settings; remote management support authenticated through IP address or IP address range, and password; secure sockets layer (SSL) support; config changes/upgrades through web GUI
- Configuration and Upgrades: Upload and download configuration settings, firmware upgradable flash memory
- Logging: WELF-based logging format, SYSLOG, e-mail alerts

Protocol Support

- Network: IP routing, TCP/IP, UDP, ICMP, PPPoE
- IP addressing: DHCP (client and server)
- Routing: RIP v1, RIP v2 (Static Routing, Dynamic Routing)
- VPN/Security: IPsec (ESP, AH), MD5, SHA-1, DES, 3DES, IKE

User Support

- LAN: Up to 253 users

RFC Support

- PPTP client and server (RFC 2637)
- IPSec tunnel mode (RFC 2401)
- Authentication Header Protocol (RFC 2402)
- HMAC-MD5-96 (RFC 2403)
- HMAC-SHA1-96 (RFC 2404)
- DES-CBC Cipher algorithm (RFC 2405)
- Encapsulation Security Payload Protocol (RFC 2406)
- Domain of Interpretation (RFC 2407)
- Internet Security Association and Key Management Protocol (ISAKMP) (RFC 2408)
- Oakley (RFC 2412)
- DHCP server (RFC 2131)
- DHCP client (RFC 2131)
- IP routing (RIP1, RIP2) (RFC 2453)
- NAT (many-to-one) (RFC 1631)
- Compression Control Protocol (RFC 1974)
- IP control Protocol (RFC 1332)
- PPPoE (RFC 2516)
- Certificate Request Message Format (RFC 2511)

Functions

- Smart Wizard to automatically detect ISP Address type (static, dynamic, PPPoE), Port Range Forwarding, Exposed Host (DMZ), Enable/Disable WAN Ping, DNS Proxy, MAC Address Cloning/spoofing, NTP support, URL Content Filtering, E-mail Alerts, DHCP Server (Info and display table), PPPoE login client support, Telstra Bigpond Cable login support, WAN DHCP Client, Diagnostic tools (ping, trace route, other), Port/service blocking, Auto Uplink on switch ports, battery back-up for power failure logging

Maintenance

- Save/Restore Configuration, Restore Defaults, Upgrades via Web Browser, Display Statistics, Logging, SYSLOG

Hardware Specifications

- Processor: 150 MHz MIPS32
- Memory: 2Mb Flash, 16 Mb DRAM
- Power requirements: 12VDC, 1.2A, plug is localized to country of sale
- Dimensions: H: 1.56" (3.96 cm); W: 10.0" (25.4 cm); D: 9.0" (17.8 cm)
- Weight: 2.7 lb. (1.23 kg)

Environmental Specifications

- Operating temperature: 0 to 40°C (32 to 104°F)
- Operating humidity: 90% maximum relative humidity, noncondensing