WR404

802.11g Wireless VPN Router

The **WR404** is a high-speed wireless VPN router with a 4-port fast Ethernet switch. The **WR404** features the Virtual Private Network (VPN) function, which creates encrypted “tunnels” through the Internet allowing offsite users, telecommuters or branch office to securely connect to your office network.

With the implementation of WEP,WPA ,802.1x, etc… users will be able to have high performance, secure wireless communication within the enterprise. When equipped with two different radios, i.e., 802.11g and 802.11b, the **WR404** can also provide dual band wireless connections for all 802.11g and 802.11b client users.

The **WR404** has multiple security capabilities to protect your company resources and data security. These firewall capabilities include Stateful Packet Inspection (SPI) to prevent malicious DoS attacks, Intrusion Detection System (IDS), etc.

The **WR404** comes with dual WAN ports, which provides dual connections to the Internet to reduce the risk of a potentially catastrophic shutdown if one of the connections should fail. Both WAN links backup each other automatically. Internet connection never fails. In addition, the included built-in 4-port switch allows direct connection of up to four wired computers or daisy-chain out to more hubs and switches, while several wireless clients can also securely connect to the network. You can create a network as big as you need. Plus, the user-friendly web-based utility provides the freedom and flexibility for anytime, any place management.

FEATURES

- NAT
- Supports PPPoE,
- Dial-on-Demand and auto-disconnect for PPPoE
- DHCP Server/Client
- Web-based Management
- VPN (IPSec) Tunneling
- Policy-based packet filter
- Stateful Packet Inspection protects against DoS attack
- Supports Virtual Server
- Supports Dynamic DNS
- Supports Dual WAN auto backup

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SPECIFICATIONS

General

Protocols Supported	IP, NAT, ICMP, DHCP client/server, PPPoE, PPP, PAP, CHAP, NTP, HTTP	
Firewall /Alert	NAT, Stateful Packet Inspection (SPI), DoS (Denial of Service), Intrusion Detection System (IDS), Attack Alert (Email) /Logging, Access Control, Web URL content filtering,	
VPN	IPSec (ESP, AH), MD5, SHA-1, DES, 3DES, IKE	
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)	
Management	Web-Based configuration and management, or GUI Setup program for Windows 98/ME/NT/2000/XP WELF-based logging format, SYSLOG, e-mail alerts	
Functions	802.11d Multiple regulatory domains Access Point Radio enable/disable Power-saving operation Multiple transmit power levels Mangement Application Interface (API) Hidden SSID Multiple SSID Intra-BSS Bridging Configurable fragmentation & de-fragmentation Configurable RTS/CTS access Configurable and auto-negotiated long and short preambles	
Applications	DDNS (Dynamic DNS), Proxy DNS, UPnP, VPN (IP- Sec), Virtual Server, Special Internet Applications, Dial-on-Demand and Auto-Disconnect, Authentication with PAP and CHAP for PPPoE	
IP addressing	Static IP address assignment on both WAN and LAN Internal DHCP server on LAN DHCP client on WAN PPPoE client support on WAN	
Routing	RIP v1, RIP v2 (static routing, dynamic routing)	
Network Timer	SNTP	
LED Indicators	Power/Error WAN Link/Act LAN* Link/Act	Green: Power On; Red: System Error Green for 100/10M (flashing for activity) Local (1 – 4) Green for 100M/10M (flashing for activity)
Firmware Upgrade	HTTP, TFTP download or proprietary network protocol download	
LED Indicators	Power/Error WAN Link/Act LAN* Link/Act	Green: Power On; Red: System Error Green for 100/10M (flashing for activity) Local (1 – 4) Green for 100M/10M (flashing for activity)
Ports	WAN: 2 x 10/100Mbps RJ-45 port for Cable/DSL Modem LAN: 4 x 10/100Mbps switched ports, UTP Category 5 or better (100Base-TX)	
Input power	DC 5V, 2.4A	

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Wireless

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3x Flow Control
Channels & Frequency	USA, Canada (FCC): 11 channels (2.412GHz~2.462GHz) Europe (CE): 13 channels (2.412GHz~2.472GHz)
Modulation Technique	802.11g: Orthogonal Frequency Division Multiplexing (OFDM) 802.11b: Direct Sequence Spread Spectrum (PBCC, CCK, DQPSK, DBPSK)
Operation Mode	b only, b+, g only, g+, Mixed, (b+g) Auto Dynamic handling of PBCC/CCK mixed network interoperability in b+ mode 802.11b/g-to-802.3 packet translation
Wireless Security	64/128/256 bit WEP encryption 64-entry MAC Address black/white list 64-entry associated stations list Open and Shared key authentication **WPA (Wi-Fi Protected Access)** 802.1x authentication of stations with RADIUS server Key distribution EAPOL frames handling
Transmission Rate	802.11b/b+/g transmission rate (1,2, 5.5, 6, 9, 11, 12, 18, 22, 24, 36, 48, 54 Mbps) using Barker, CCK, OFDM and TI's TI 802.11g+ enhanced mode 802.11g ERP protection

Physical

Dimensions	115 x 171 x 25 mm (W x D x H)
Weight	300g