

Wireless N Gigabit Broadband VPN Router

MODEL: TL-ER604W



Highlights

- 1 Gigabit WAN port, 3 Gigabit LAN ports and 1 Gigabit WAN/LAN port
- Supports IPsec/PPTP/L2TP VPN protocols with up to 30 IPsec, 8 PPTP and 8 L2TP VPN tunnels simultaneously
- Deploys One-Click restriction of IM/P2P applications to manage staff online behavior
- 300Mbps wireless N speed provides an incredible high speed networking experience
- Multi-SSID and guest network ensures easy and safe wireless sharing
- Professional 4KV lightning protection keeps your investments as safe as possible

Overview

TL-ER604W SafeStream Wireless N Gigabit Broadband VPN Router supports wireless N and gigabit wired speeds on all ports. It integrates multiple VPN protocols, high-security and high-performance VPN capabilities, making it an ideal choice for branch offices in need of cost-effective secure remote connections to headquarters or remote offices. Furthermore, together with many useful features including hardware-based Wi-Fi On/Off button, Guest Networking, App Control, and PPPoE Server functions, TL-ER604W is an ideal network solution for home or small office consumers.

High VPN Performance

The TL-ER604W supports multiple VPN protocols including IPsec, PPTP and L2TP in Client/Server mode while also being able to handle pass-through traffic. It features a built-in hardware-based VPN engine allowing the router to support and manage up to 30 LAN-to-LAN/Client-to-LAN IPsec VPN connections. Advanced VPN features include: DES/3DES/AES128/AES192/AES256 encryption, MD5/SHA1 authentication, Manual/IKE key management, and Main/Aggressive negotiation modes.

Intelligent High-speed Connectivity

With 300Mbps 802.11n wireless and 5 Gigabit ports, the TL-ER604W is the ideal choice for bandwidth heavy users that rely on speedy, reliable connections for bandwidth intensive work or entertainment such as lag-free conference calls, HD video streaming or online gaming.

Abundant Security Features

For defense against external threats, TL-ER604W features an automatic protection to detect and block Denial of service (DoS) attacks such as TCP/UDP/ICMP Flooding, TCP Scanning, Ping of Death and other related threats. For better management of the internal network, TL-ER604W allows administrators to set rules to block specific web sites and IM/P2P applications with a single click, and restrict staff to using specific services such as FTP, HTTP and SMTP.

Segmented Wireless Networking for Convenience & Security

TL-ER604W supports multi-SSID and guest network features. With up to 8 SSIDs, TL-ER604W can provide several distinct wireless networks for different department or user groups. Guest Network offers secure separate wireless networks for your customers and business partners for Internet access, without providing access to the internal network and potentially sensitive company information.

Safety Minded Enterprise Investments

Professional lightning protection technology is designed to prevent electrical surges from penetrating the interior of the electrical equipment and is discharged harmlessly into the Earth. This router is designed to prevent lightning damage up to 4kV in well-grounded connection conditions. This feature ensures that networking infrastructure investments remain as safe as possible from Mother Nature's wrath.

Specifications

Hardware

Standards and Protocols	IEEE 802.11b/g/n, 802.3, 802.3u, 802.3ab TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, HTTPS, SSL, DNS, IPsec, PPTP, L2TP
Interface	1 Gigabit WAN port 3 Gigabit LAN ports 1 Gigabit WAN/LAN port
Network Media	10BASE-T: UTP category 3, 4, 5 cable (Max 100m) 100BASE-TX: UTP category 5, 5e cable (Max 100m) 1000BASE-T: UTP category 5, 5e cable (Max 100m)
Antenna	2 detachable 5dBi antennas
Button	Power On/Off, Wi-Fi On/Off, Reset
Power Supply	External Power Adapter (Output:12VDC/1.0A)
Flash	8MB
DRAM	DDRII 64MB
LED	PWR, SYS, WLAN, WAN, WAN/LAN, LAN
Dimensions (W x D x H)	8.2 x 5.0 x 1.0 in.(209 x 126 x 26 mm)

Performance

Concurrent Session	10000
NAT Throughput	160Mbps
IPsec VPN Throughput	38Mbps

Basic Functions

WAN Connection Type	Dynamic IP, Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
DHCP	DHCP Server/Client DHCP Address Reservation
MAC Clone	Modify WAN/LAN MAC Address
IPTV	IGMP Proxy, IGMP Snooping

Advanced Functions

System Mode	NAT, Non-NAT, Classical Routing
NAT	One-to-One NAT, Multi-nets NAT, Virtual Server, Port Triggering, UPnP, FTP/H.323/SIP/ IPsec/PPTP ALG
Traffic Control	IP/Port-based Bandwidth Control, Guarantee & Limited Bandwidth, Time-scheduled Policy, IP-based Session Limit
Load Balance	Intelligent Load Balance, Policy Routing, Protocol Binding, Link Backup (Timing, Failover), Online Detection
Routing	Static Routing, Dynamic Routing (RIP v1/v2)

VPN (Virtual Private Network)	
IPsec VPN	30 IPsec VPN Tunnels LAN-to-LAN and Client-to-LAN IPsec VPN Main Aggressive Negotiation Mode DES, 3DES, AES128, AES192, AES256 Encryption Algorithm MD5, SHA1 Authentication Algorithm Manual, IKE Key Management Mode IPsec NAT Traversal (NAT-T) Dead Peer Detection (DPD) Perfect Forward Secrecy (PFS)
PPTP VPN	8 PPTP VPN Tunnels PPTP VPN Server/Client PPTP with MPPE Encryption NetBIOS Passthrough
L2TP VPN	8 L2TP VPN Tunnels L2TP VPN Server/Client L2TP over IPsec NetBIOS Passthrough
Firewall	
Application Control	IM, P2P, Web IM, Web SNS, Web Media Protocol/Proxy Blocking
Attack Defense	TCP/UDP/ICMP Flood Defense Block TCP Scan (Stealth FIN/Xmas/Null) Block Ping from WAN CSRF Defense
Filtering	MAC Filtering URL/Keywords Filtering Web Content Filtering (Java, ActiveX, Cookies)
ARP Inspection	Sending GARP Packets ARP Scanning by WAN/LAN IP-MAC Binding
Wireless Features	
EIRP	<20dBm (EIRP)
Wireless Functions	Enable/Disable wireless radio WDS bridge WMM Wireless statistics
Wireless Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Multi-SSID	Up to 8 SSIDs
Management	
Service	PPPoE Server, E-Bulletin, Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe)
Maintenance	Web-based Management Interface, Remote Management Export & Import Conguration, NTP Synchronize, Syslog Support, SNMP, IP NAT Table

Others

Certification	CE, FCC, RoHS
Package Contents	SafeStream Wireless N Gigabit Broadband VPN Router TL-ER604W, Power Adapter, RJ45 Ethernet Cable, Quick Installation Guide, Resource CD
L2TP VPN	50 L2TP VPN Tunnels, L2TP VPN Server/Client, L2TP over IPsec
System Requirements	Microsoft® Windows® 8/7/Vista/XP/2000, MAC® OS, Linux-based operating System
Environment	Operating Temperature: 0°C to 40°C (32°F to 104°F) Storage Temperature: -40°C to 70°C (-40°F to 158°F) Operating Humidity: 10% to 90% non-condensing Storage Humidity: 5% to 90% non-condensing

Ordering Information

Product Model	Description
TL-ER604W	SafeStream Wireless N Gigabit Broadband VPN Router

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