



TP-LINK **SafeStream** Wireless N Gigabit Broadband VPN Router

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



SafeStream Wireless N Gigabit Broadband VPN Router

TL-ER604W

TP-LINK's 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.

VPN

- Up to 30 IPsec VPN Tunnels
- IPsec, PPTP, L2TP over IPsec
- IPsec NAT Traversal (NAT-T)
- DES, 3DES, AES128, AES192, AES256 Encryption
- MD5, SHA1 Authentication
- Manual, IKE Key Management Mode
- LAN-to-LAN, Client-to-LAN IPsec VPN
- PPTP/L2TP VPN Server/Client
- NetBIOS passthrough for L2TP/PPTP

Security

- One-to-One NAT
- FTP/H.323/SIP/IPsec/PPTP ALG
- IM/P2P Application Blocking
- URL/Keywords Filtering
- Web Content Filtering (Java, ActiveX, Cookies)
- ARP Inspection
- Dos/DDoS Defense
- CSRF Defense

Wireless

- IEEE 802.11b/g/n
- Wireless Security
- Multi-SSID
- Guest Network

Load Balance

- Intelligent Load Balance
- Policy Routing
- Link Backup (Timing, Failover)

Traffic Control

- IP-based Bandwidth Control
- Guarantee & Limited Bandwidth
- IP-based Session Limit

Others

- Port VLAN, Port Mirror
- Static Routing, RIP v1/v2
- PPPoE Server
- E-Bulletin
- IPTV



Details:<http://www.tplink.com/en/Support/>
 German/Austrian/Swiss users are not included

Specifications

Hardware Features

- 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
- Flash/DRAM: 8MB/64MB (DDRII)
- LEDs: PWR, SYS, WLAN, WAN, WAN/LAN, LAN
- Button: Power On/Off, Wi-Fi On/Off, Reset
- Dimensions: 8.2 x 5.0 x 1.0 in.(209 x 126 x 26 mm),
- Power Supply: External Power Adapter (Output:12VD-C/1.0A)

Performance

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

Basic Function

- WAN Connection Type: Dynamic IP, Static IP, PPPoE, PPTP, L2TP, Dual Access, BigPond
- MAC Clone: Modify WAN/LAN MAC Address
- DHCP: DHCP Server/Client, DHCP Reservation
- Switch Setting: Port Mirror, Rate Control, Port Configuration, Port VLAN
- 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
- VPN Pass-through: IPsec (ESP), PPTP, L2TP

Firewall

- Application Control: IM, P2P, Web IM, Web SNS, Web Media Protocol/Proxy Blocking
- 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
- Attack Defense: TCP/UDP/ICMP Flood Defense, Block TCP Scan (Stealth FIN/Xmas/Null), Block Ping from WAN, CSRF Defense
- Access control: Access Control Service

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
- Guest Network: Yes

Management

- Service: PPPoE Server, E-Bulletin, Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe)
- Maintenance: Web-based Management Interface, Remote Management, Export & Import Configuration, 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
 -System Requirement: Microsoft® Windows® 8/7/Vista/XP/2000, MAC® OS, Linux-based operating System

-Environment: Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F), Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing

Ordering Information

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