



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

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, 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:12VDC/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

■ 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
- L2TP VPN: 8 L2TP VPN Tunnels, L2TP VPN Server/Client, L2TP over IPsec
- 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

■ 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

■ 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
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