



# TP-LINK SafeStream™ Gigabit Broadband VPN Router

TL-R600VPN

## ■ Highlights

- 1 Gigabit WAN port and 4 Gigabit LAN ports provide high-speed wired connectivity
- Supports IPsec/PPTP VPN protocols, up to 20 IPsec VPN tunnels and 16 PPTP VPN tunnels are simultaneously supported
- SPI firewall and DoS defense protect your network from most known Internet attacks
- Professional 4KV lightning protection keeps your investment safe and sound

## VPN

- 20 LAN-to-LAN IPsec VPN Tunnels
- Main, Aggressive Negotiation Mode
- DES, 3DES, AES128, AES192, AES256 Encryption Algorithm
- MD5, SHA1 Authentication Algorithm
- Manual, IKE Key Management Mode
- Dead Peer Detection (DPD)
- Perfect Forward Secrecy (PFS)
- 16 PPTP VPN Tunnels
- PPTP VPN Server
- PPTP with MPPE Encryption

## Security

- SPI Firewall
- VPN Passthrough
- FTP/TFTP/H.323/RTSP ALG
- DoS Defense
- IP/MAC/Domain Filtering
- IP & MAC Binding

## Others

- Static Routing
- Bandwidth Control
- Dynamic DNS
- Remote Management



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



# SafeStream™ Gigabit Broadband VPN Router

## TL-R600VPN

TL-R600VPN, TP-LINK's SafeStream™ Gigabit Broadband VPN Router, supports Gigabit Ethernet connections on both WAN and LAN ports which guarantee high-speed wired connectivity. What's more, it integrates multiple VPN protocols, high-security and high-performance VPN capabilities, which enable employees' remote connections to their main offices as secure as if they were in the main office. Besides, TL-R600VPN's abundant security strategies such as SPI Firewall, DoS Defense and IP-MAC Binding help protect your network against most known attacks. TL-R600VPN is an ideal partner for small offices, which need cost-effective and reliable VPN solutions.

## High-security VPN Capabilities

TL-R600VPN supports IPsec and PPTP VPN protocols and can handle IPsec/PPTP/L2TP pass-through traffic as well. It also features a built-in hardware-based VPN engine allowing the router to support and manage up to 20 IPsec and 16 PPTP VPN connections. Advanced VPN features include: DES/3DES/AES128/AES192/AES256 encryption, MD5/SHA1 authentication, Manual/IKE key management, and Main/Aggressive negotiation modes.

## Abundant Security Features

For defense against external threats, TL-R600VPN features SPI Firewall function. Additionally, it can automatically detect and block Denial of service (DoS) attacks such as TCP/UDP/ICMP Flooding, Ping of Death and other related threats. Moreover, this router provides IP/MAC/Domain name filtering functions, which forcefully prevent attacks from intruders and viruses. For applications such as FTP, TFTP, H.323 and RTSP which are not well compatible with NAT, TL-R600VPN offers administrators one-click enable of ALG choices corresponding to the above four mentioned applications.

## 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 up to 4KV in well-grounded connection conditions. This feature ensures that networking infrastructure investments remain as safe as possible from one of mother nature's more violent situations.

## Specifications

### Hardware Features

- Standards and Protocols: IEEE 802.3, 802.3u, 802.3ab, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DNS, IPsec, PPTP
- Interface: 1 Gigabit WAN port, 4 Gigabit LAN ports
- 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, 6 cable (Max 100m)
- Flash/DRAM: 8MB/64MB(DDR II)
- LEDs: PWR, SYS, WAN, LAN
- Button: Reset
- Dimensions: 8.23 x 4.96 x 1.02 in. (209 x 126 x 26 mm)
- Power Supply: 100~240VAC, 50/60Hz

### Performance

- Concurrent Session: 10000
- NAT Throughput: 50Mbps
- IPsec VPN Throughput: 40Mbps

### Basic Functions

- WAN Connection Type: Static/Dynamic IP, PPPoE, PPTP, L2TP, Bigpond Cable
- MAC Clone
- DHCP: DHCP Server/Client, DHCP Address Reservation

### Advanced Functions

- Forwarding: Virtual Server, Port Triggering, DMZ, UPnP
- Security: SPI Firewall, VPN Pass Through, FTP/TFTP/H.323/RTSP ALG, DoS Defense, Ping of Death
- IP/MAC/Domain Name Filtering
- Static Routing
- Bandwidth Control
- IP/MAC Binding
- Dynamic DNS

### VPN (Virtual Private Network)

- IPsec VPN: 20 IPsec VPN Tunnels, LAN-to-LAN, Main, Aggressive Negotiation Mode, DES, 3DES, AES128, AES192, AES256 Encryption Algorithm, MD5, SHA1 Authentication Algorithm, Manual, IKE Key Management Mode, Dead Peer Detection (DPD), Perfect Forward Secrecy (PFS)
- PPTP VPN: 16 PPTP VPN Tunnels, PPTP VPN Server, PPTP with MPPE Encryption

### Maintenance

- Time Setting
- Diagnostic
- Firmware Upgrade
- Factory Defaults/Reboot
- Backup/Restore
- System Log
- Remote Management
- Statistics

### Others

- Certifications: CE, FCC, RoHS
- Package Contents: TL-R600VPN, Power Cord, RJ-45 Ethernet Cable, Quick Installation Guide, Resource CD
- System Requirements: Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7, MAC® OS, NetWare®, UNIX® or Linux
- 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-R600PVN	SafeStream™ Gigabit Broadband VPN Router