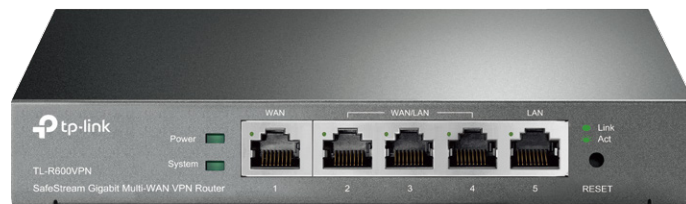


SafeStream Gigabit Multi-WAN VPN Router

MODEL: TL-R600VPN



Highlights

- 1 Gigabit WAN port, 1 Gigabit LAN Port and 3 Gigabit WAN/LAN ports provide high-speed wired connectivity
- Supports IPsec/L2TP/PPTP VPN protocols, Up to 20 IPsec VPN tunnels, 16 L2TP 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

Overview

TL-R600VPN, TP-Link's SafeStream Gigabit Multi-WAN 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, L2TP 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 LAN-to-LAN IPsec, 16 L2TP 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	
Standards and Protocols	IEEE 802.3, IEEE802.3u, IEEE802.3ab TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DNS, IPsec, PPTP, L2TP
Interface	1 Gigabit WAN port 3 Gigabit LAN/WAN ports 1 Gigabit LAN port
Network Media	10BASE-T: UTP category 3, 4, 5 cable (Max 100m) EIA/TIA-568 100Ω STP (Max 100m) 100BASE-TX: UTP category 5, 5e cable (Max 100m) EIA/TIA-568 100Ω STP (Max 100m) 1000BASE-T: UTP category 5, 5e, 6 cable (Max 100m)
Button	Reset Button
Power Supply	External 9V/0.6A DC Adapter
Flash	16MB
DRAM	DDRIII 128MB
LED	PWR, SYS, WAN, LAN
Dimensions (W x D x H)	6.2 x 4.0 x 1.0 in. (158 x 101 x 25mm)
Performance	
Concurrent Session	20000
NAT Throughput	680Mbps
IPsec VPN Throughput (3DES)	13Mbps
Basic Functions	
WAN Connection Type	Static/Dynamic IP, PPPoE/Russian PPPoE, PPTP/Russian PPTP, L2TP/Russian L2TP, Bigpond Cable
DHCP	DHCP Server/Client DHCP Address Reservation
MAC Clone	Modify WAN MAC Address
IPTV	Bridge, Custom
IPv6	IPv6 Support
VLAN	802.1Q VLAN, Port VLAN
Transmission	
Load Balance	Intelligent Load Balance Link Backup (Timing, Failover) Online Detection
NAT	One-to-One NAT, Multi-nets NAT, Virtual Server, Port Triggering FTP/H.323/SIP/IPsec/PPTP ALG, NAT-DMZ, UPnP
Routing	Static Routing Policy Routing
Session Limit	IP-based Session Limit
Bandwidth Control	IP-based Bandwidth Control

VPN	
IPsec VPN	20 IPsec VPN Tunnels LAN-to-LAN, Client-to-LAN Main, Aggressive Negotiation Mode DES, 3DES, AES128, AES192, AES256 Encryption Algorithm MD5, SHA1 Authentication Algorithm Dead Peer Detection (DPD) Perfect Forward Secrecy (PFS)
PPTP VPN	16 PPTP VPN Tunnels PPTP VPN Server/Client PPTP with MPPE Encryption
L2TP VPN	16 L2TP VPN Tunnels L2TP VPN Server/Client L2TP over IPsec
VPN Pass-through	IPsec (ESP), PPTP, L2TP
Security	
Attack Defense	TCP/UDP/ICMP Flood Defense Block TCP Scan (Stealth FIN/Xmas/Null) Block Ping from WAN
Filtering	MAC Filtering URL/Keywords Filtering
ARP Inspection	Sending GARP Packets ARP Scanning by WAN/LAN IP-MAC Binding
Access Control	Source/Destination IP Based Access Control
Authentication	
Web Authentication	Local User Authentication, Radius Sever Authentication, Onekey Online
Management	
Service	Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe)
Maintenance	Web Management Interface, Remote Management Export & Import Configuration, SNMP Diagnostics(Ping & Traceroute), NTP Synchronize Syslog Support
Others	
Certification	CE, FCC, RoHS
Package Contents	TL-R600VPN, Power Adapter, RJ-45 Ethernet Cable, Quick Installation Guide
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7/8/8.1/10 MAC OS, NetWare, UNIX or Linux
Environment	Operating Temperature: 0 C to 40C (32 F to 104F) Storage Temperature: -40 C to 70C (-40 F to 158 F) Operating Humidity: 10% to 90% non-condensing Storage Humidity: 5% to 90% non-condensing