SafeStream Gigabit Multi-WAN VPN Router

MODEL: TL-R600VPN

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.

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
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.
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| 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, Comex)  
| **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 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 |