


Specifications

Model		TL-R605
Product Picture		
Product Description		Gigabit Multi-WAN VPN Router
Hardware	Standards and Protocols	IEEE 802.3, IEEE802.3u, IEEE802.3ab, IEEE 802.3x, IEEE 802.1q TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, HTTPS, DNS, IPSec, PPTP, L2TP, OpenVPN, SNMP
	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 100 m) EIA/TIA-568 100Ω STP (Max 100 m) 100BASE-TX: UTP category 5, 5e cable (Max 100 m) EIA/TIA-568 100Ω STP (Max 100 m) 1000BASE-T: UTP category 5, 5e, 6 cable (Max 100 m)
	Button	Reset Button
	Power Supply	External 9 V/0.85 A DC Adapter
	Flash	16 MB SPI
	DRAM	128 MB
	LED	PWR, SYS, WAN (Link/Act), LAN (Link/Act)
	Dimensions (W x D x H)	6.2 x 4.0 x 1.0 in (158 x 101 x 25 mm)
	SDN Support	Hardware Controller (OC200/OC300)
Software Controller		Unified Configuration Reboot Schedule
Cloud-Based Controller		Captive Portal Configuration ZTP (Zero-Touch Provisioning) ¹
Performance	Concurrent Session	25,000
	New Sessions /Second	2,400
	Static IP NAT Throughput	Upload: 936.7 Mbps Download: 940.1 Mbps
	DHCP NAT Throughput	Upload: 941.1 Mbps Download: 940.5 Mbps
	PPPoE NAT Throughput	Upload: 940.1Mbps Download: 939.6 Mbps
	L2TP NAT Throughput	Upload: 781.2 Mbps Download: 708.4 Mbps
	PPTP NAT Throughput	Upload: 826.4 Mbps Download: 607.1 Mbps
	66 Byte Packet forwarding rate	Upload: 1,308,139 pps Download: 1,308,140 pps
	1,518 Byte Packet forwarding rate	Upload: 81,067 pps Download: 81,063 pps
	IPSec VPN Throughput (AES256)	41.5 Mbps

1. Zero-Touch Provisioning is supported only when using Omada Cloud-Based Controller.

Model		TL-R605
Performance	L2TP VPN Throughput	Unencrypted: 748.7 Mbps Encrypted: 15.0 Mbps
	PPTP VPN Throughput	Unencrypted: 719.0 Mbps Encrypted: 72.0 Mbps
Basic Functions	WAN Connection Type	Static IP Dynamic IP PPPoE PPTP L2TP
	DHCP	DHCP Server DHCP Address Reservation Multi-IP Interfaces ¹ Multi-Net DHCP ¹
	MAC Clone	Modify WAN/LAN MAC Address ²
	IPTV	IGMP v2/v3 Proxy
	IPv6	Developing ³
	VLAN	802.1Q VLAN
	Transmission	Load Balance
NAT		One-to-One NAT ⁵ Multi-Net NAT Virtual Server Port Triggering ⁵ NAT-DMZ FTP/H.323/SIP/IPSec/PPTP ALG, 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 IKE v1/v2 ⁶ MD5, SHA1 Authentication Algorithm NAT Traversal (NAT-T) Dead Peer Detection (DPD) Perfect Forward Secrecy (PFS)
	PPTP VPN	PPTP VPN Server 10 PPTP VPN Clients 16 Tunnels PPTP with MPPE Encryption

1. Multi-IP Interfaces and Multi-Net DHCP are supported only in Controller Mode.
2. LAN MAC Address can be modified only in Standalone Mode.
3. IPv6 is being developed and will be updated in the following software versions.
4. The Timing mode in Link Backup is supported only in Standalone Mode.
5. One-to-One NAT and Port Triggering are only supported only in Standalone Mode.
6. IKE v2 is supported only in Controller Mode.

Model		TL-R605
VPN	L2TP VPN	L2TP VPN Server 10 L2TP VPN Clients 16 Tunnels L2TP over IPSec
	OpenVPN ¹	OpenVPN Server 10 OpenVPN Clients 16 OpenVPN Tunnels
Security	Attack Defense	TCP/UDP/ICMP Flood Defense Block TCP Scan (Stealth FIN/Xmas/Null) Block Ping from WAN
	Filtering	Web Group Filtering ² URL Filtering Web Security ²
	ARP Inspection ³	Sending GARP Packets ARP Scanning IP-MAC Binding
	Access Control	Source/Destination IP Based Access Control
Authentication	Web Authentication	No Authentication Simple Password ⁴ Hotspot (Local User / Voucher ⁴ / SMS ⁴ / Radius ⁴) External Radius Sever External Portal Sever ⁴ Facebook ⁴
Management	Service	Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe)
	Maintenance	Web Management Interface Remote Management Export & Import Configuration SNMP v1/v2c/v3 ⁵ Diagnostics (Ping & Traceroute) ⁶ NTP Synchronize ⁶ Syslog Support
Others	Certification	CE, FCC, RoHS
	Package Contents	TL-R605, 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

1. OpenVPN is supported only in Controller Mode.
2. Web Group Filtering and Web Security are only supported only in Standalone Mode.
3. ARP Inspection is supported only in Standalone Mode.
4. The following web authentication methods are supported only in Controller Mode: Simple Password, Voucher, SMS, Radius, External Portal Sever, and Facebook.
5. SNMP v3 is supported only in Controller Mode.
6. Diagnostics (Ping & Traceroute) and NTP Synchronize are supported only in Standalone Mode.

* Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: www.tp-link.com.

* Specifications are subject to change without notice.

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