

NET-TL-ER8411

TP-Link ER8411 Omada VPN Router with 10G Ports

Product Overview

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Specifications

Features:

- Integrated into Omada SDN: Zero-Touch Provisioning (ZTP), Centralized Cloud Management, and Intelligent Monitoring.
- Centralized Management: Cloud access and Omada app for ultra convenience and easy management.
- Two 10GE SFP+ Ports: 1x WAN and 1x WAN/LAN 10GE SFP+ ports provide high-bandwidth aggregation connectivity.
- Up to 10 WAN Ports: Fiber and RJ45 WAN ports with load balance raise the utilization rate of multi-line broadband .
- Highly Secure VPN: Enterprise-standard SSL/ IPSec / PPTP / L2TP VPN & OpenVPN / L2TP over IPSec VPN are ideal for use across multiple branches and for WFH.
- Abundant Security Features: Powerful Firewall, DoS defense, IP/MAC/URL filtering, and IP-MAC Binding, and One-Click ALG Activation provide world-class security.

Centralized Cloud Management

Seamless integration into the Omada SDN platform

Quad-Core 2.2 GHz CPU

Enterprise-level hardware design provides maximum performance

Two 10GE SFP+ Ports

High-bandwidth aggregation with 1x WAN and 1x WAN/LAN ports

Up to 10 WAN Ports

Multi-WAN Load Balance raises the utilization rate of multi-line broadband

Two USB 3.0 Ports

Available 4G/3G Modem connection for LTE WAN backup

High-Capacity Performance

Supports up to 2,300,000 concurrent sessions

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Product Specification Sheet

High-Security VPN

Enterprise-standard SSL / IPSec / PPTP / L2TP VPN & OpenVPN / L2TP over IPSec VPN

Enhanced Security

Powerful Firewall, DoS defense, IP/MAC/URL/ Keyword filtering

Dual Redundant Power Supplies

Carrier-class reliability for enterprise networking

High-Capacity Performance with Quad-Core 2.2 GHz CPU

Manage your entire business network with the right amount of processing power. Dual redundant power supplies further ensure carrier-class reliability for enterprise networking.

Maximize the 10G Broadband with Omada Enterprise Gateway

Maximized 10G Broadband with the Omada Enterprise Gateway Build your lightning-fast network with Omada ER8411 - an enterprise VPN router with 10G ports. It surpasses the need for high-speed, reliable, and safe enterprise networks, ideal for large-scale deployments such as offices, schools, and hotels.

10x WAN Ports & One USB WAN for Mobile Broadband

Up to 10x WAN SFP+, SFP, and RJ45 ports allow the router to support various internet access requirements. Multi-WAN Load Balancing distributes data streams according to the bandwidth proportion of every WAN port to raise the utilization rate of multi-line broadband. Connect a 4G/3G modem to one of the USB 3.0 ports for LTE WAN backup.

High-Security and High-Performance VPN

ER8411 supports pass-through traffic and multiple VPN protocols, including SSL, IPSec, PPTP, and L2TP in Client/Server mode. One-click auto IPSec VPN simplifies VPN configuration and facilitates network management and deployment. The router also features built-in VPN engine hardware, allowing support and management of hundreds of IPSec, PPTP, L2TP, SSL VPN, and OpenVPN Tunnels.

Powerful Firewall

Advanced firewall policies protect your network and data.

Convenient VLAN Support

Create virtual network segments for enhanced security and simplified network management.

DoS Defense

Automatically detects and blocks Denial of Service (DoS) attacks such as TCP/UDP/ICMP Flooding, Ping of Death, and other related threats.

IP/MAC/URL/Keyword Filtering

Forcefully prevent viruses and attacks from intruders.

IP-MAC Binding

Reserves static IP assignment for clients to defend against ARP attacks and spoofing.

One-Click ALG Activation

One-Click ALG Activation for applications such as FTP, H323, SIP, IPSec, and PPTP.

Seamless Integration into Omada SDN

The Omada Software Defined Networking (SDN) platform integrates network devices including access points, switches, and routers to provide 100% centralized cloud management and create a highly scalable network-all controlled from a single interface.

Specifications:

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Specifications	
Product Code	NET-TL-ER8411
SECURITY	
Access Control	Source/Destination IP Based Access Control
Filtering	WEB Group Filtering
	URL Filtering
	Web Security
ARP Inspection	Sending GARP Packets
	ARP Scanning
	IP-MAC Binding
Attack Defense	TCP/UDP/ICMP Flood Defense
	Block TCP Scan (Stealth FIN/Xmas/Null)
	Block Ping from WAN
HARDWARE FEATURES	
Standards and Protocols	IEEE 802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE 802.3x, IEEE 802.1q
	TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, HTTPS, DNS, IPSec, PPTP, L2TP, OpenVPN, SNMP
Interface	2x 10GE SFP+ Ports (1 WAN, 1 WAN/LAN)
	1x 1GE SFP WAN/LAN Ports
	8x 1GE RJ45 WAN/LAN Ports
	1x RJ45 Console Ports
	2x USB Ports (Connecting 4G/3G Modem as WAN Backup)
Network Media	10BASE-T: UTP category 3, 4, 5 cable (Max 100 m)
	EIA/TIA-568 100ohm STP (Max 100 m)
	100BASE-TX: UTP category 5, 5e cable (Max 100 m)
	EIA/TIA-568 100ohm STP (Max 100 m)
	1000BASE-T: UTP category 5e, 6 cable (Max 100 m)
Fan Quantity	2
Button	Reset Button
Power Supply	Redundant Dual Power Supplies (100-240 VAC, 50/60 Hz)
PoE Budget	-
Flash	4MB SPI NOR + 256 MB NAND
DRAM	4 GB DDR4

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LED	PWR, SYS, WAN, LAN, USB, FAN
Dimensions (W x D x H)	17.3 x 8.7 x 1.7 in (440 x 220 x 44 mm)
Protection	4 kV surge protection
Enclosure	Steel
Mounting	Rack Mountable
Max Power Consumption	26.36 W (with USB 3.0 connected)
	19.12 W (without USB 3.0 connected)
PERFORMANCE	
WireGuard VPN	1411 Mbps
Concurrent Session	2, 300, 000
New Sessions /Second	20, 000
NAT (Static IP)	Upload: 9445.82 Mbps
	Download: 9449.26 Mbps
NAT(DHCP)	Upload: 9426.83 Mbps
	Download: 9426.20 Mbps
NAT(PPPoE)	Upload: 9413.96 Mbps
	Download: 9102.01 Mbps
NAT (L2TP)	Upload: 4230.62 Mbps
	Download: 4169.53 Mbps
NAT (PPTP)	Upload: 3933.86 Mbps
	Download: 3821.97 Mbps
64 Byte Packet Forwarding Rate	Upload: 1080 Mbps
	Download: 1030 Mbps
IPsec VPN Throughput	SHA1-AES256: 2140.45 Mbps
	SHA2-AES256: 2080.20 Mbps
OpenVPN	1665.64 Mbps
L2TP VPN Throughput	Unencrypted: 5013.50 Mbps
	Encrypted: 2274.74 Mbps
PPTP VPN Throughput	Unencrypted: 3933.86 Mbps
	Encrypted: 3821.97Mbps
SSL VPN Throughput	1511.10 Mbps
66 Byte Packet forwarding rate	-
1,518 Byte Packet forwarding rate	Upload: 9970 Mbps
	Download: 9970 Mbps
BASIC FUNCTIONS	

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Product Specification Sheet

WAN Connection Type	Static/Dynamic IP
	PPPoE
	PPTP
	L2TP
	6to4 Tunnel
	Pass-Through
	Mobile Broadband: 4G/3G modem for backup via USB port
MAC Clone	Modify WAN/LAN MAC Address
DHCP	DHCP Server/Client
	DHCP Address Reservation
	Multi-net DHCP
	Multi-IP Interfaces
IPv6	WAN Connection
VLAN	802.1Q VLAN
IPTV	IGMP v2/v3 Proxy
ADVANCED FUNCTIONS	
ACL	IP/Port/Protocol/Domain Name Filtering
Advanced Routing	Static Routing
	Policy Routing
Bandwidth Control	IP/Port-based Bandwidth Control
	Guarantee & Limited Bandwidth
Load Balance	Intelligent Load Balance
	Application Optimized Routing
	Link Backup (Timing*5, Failover)
	Online Detection
NAT	One-to-One NAT
	Multi-Net NAT
	Virtual Server
	Port Triggering
	NAT-DMZ
	FTP/H.323/SIP/IPSec/PPTP ALG
	UPnP
Security	SPI Firewall
	VPN Passthrough
	FTP/H.323/PPTP/SIP/IPsec ALG
	DoS Defence, Ping of Death
	Local Management

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Product Specification Sheet

Session Limit	IP-based Session Limit
VPN	
SSL VPN	SSL VPN Server
	SSL VPN Client
	500 OpenVPN Tunnels
IPsec VPN	300 IPsec VPN Tunnels
	LAN-to-LAN, Client-to-LAN
	Main, Aggressive Negotiation Mode
	DES, 3DES, SHA1, SHA2, AES128, AES192, AES256 Encryption Algorithm
	IKE v1/v2
	MD5, SHA1 Authentication Algorithm
	NAT Traversal (NAT-T)
	Dead Peer Detection (DPD)
	Perfect Forward Secrecy (PFS)
PPTP VPN	PPTP VPN Server
	PPTP VPN Client (32)
	300 Tunnels (Shared with L2TP)
	PPTP with MPPE Encryption
L2TP VPN	L2TP VPN Server
	L2TP VPN Client (32)
	300 Tunnels (Shared with PPTP)
	L2TP over IPsec
OpenVPN	OpenVPN Server
	OpenVPN Client (10)
	110 OpenVPN Tunnels
AUTHENTICATION	
Web Authentication	No Authentication
	Simple Password
	Hotspot(Local User / Voucher*2 / SMS*2 / Radius*2)
	External Radius Sever
	External Portal Sever
	Facebook Check-In
	Instagram Follow
MANAGEMENT	
Omada App	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller.

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Product Specification Sheet

Centralized Management	Omada Hardware Controller (OC300)
	Omada Hardware Controller (OC200)
	Omada Software Controller
	Omada Cloud-Based Controller
Cloud Access	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller.
Service	Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe)
Maintenance	Web Management Interface
	Remote Management
	Export & Import Configuration
	SNMP v1/v2c/v3
	Diagnostics (Ping & Traceroute)
	NTP Synchronize
	Syslog Support
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-Based Controller.
Management Features	Automatic Device Discovery
	Intelligent Network Monitoring
	Abnormal Event Warnings
	Unified Configuration
	Reboot Schedule
	Captive Portal Configuration
OTHERS	
Certification	CE, FCC, RoHS
Package Contents	Omada 10G Multi-WAN Security Gateway ER8411
	Power Cord
	Rack-Mount Kit
	Quick Installation Guide
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista or Windows 7/8/8.1/10/11, MAC OS, NetWare, UNIX or Linux
Environment	Operating Temperature: 0-40 degreesC (32-104 degreesF);
	Storage Temperature: -40-70 degreesC (-40-158 degreesF)
	Operating Humidity: 10-90% RH non-condensing
	Storage Humidity: 5-90% RH non-condensing

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/NET-TL-ER8411-TP-Link-ER8411-Omada-VPN-Router-with-Buy-p-293675.php>

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