tp-link | Omada

THE CHANNEL CO.
CRN
TECH INNOVATORS
WINNER 2023

Future-Proof Your Business with 10G Enterprise Connectivity

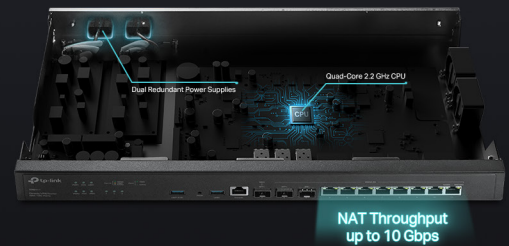Omada VPN Router with 10G Ports

ER8411

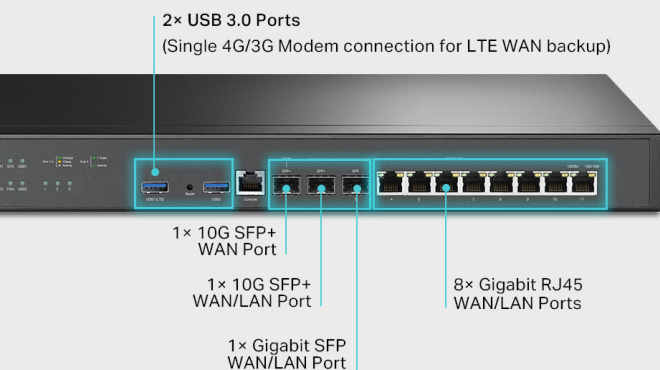|					
10GE SFP+ Ports	**Up to 10 WAN Ports[1]**	**High-Security VPN**	**Dual Redundant Power Supplies**	**Enhanced Security**	**Compatibility with Omada SDN**

◆ Product Overview

Designed for Enterprise Solutions

The Omada VPN Router with 10G Ports (ER8411) is a premium-grade router designed to handle the current and future needs of medium to large-sized enterprise networks (1000+ endpoints). Featuring a dedicated **Quad-Core Cortex-A72@2.2GHz CPU and 4GB DDR4 memory**, the ER8411 is designed to support up to **2,300,000 concurrent** connections and can optimally support up to **1000+ endpoints**.

High-Capacity Performance with Quad-Core 2.2 GHz CPU

Dual Redundant Power Supplies

Quad-Core 2.2 GHz CPU

NAT Throughput up to 10 Gbps

2× USB 3.0 Ports
(Single 4G/3G Modem connection for LTE WAN backup)

1× 10G SFP+ WAN Port

1× 10G SFP+ WAN/LAN Port

1× Gigabit SFP WAN/LAN Port

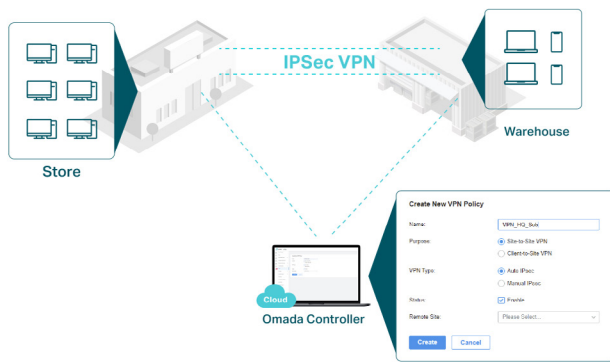8× Gigabit RJ45 WAN/LAN Ports

Redundancy

The ER8411 supports up to 10 WAN ports[1] with link failover. If the primary WAN connection fails, it will automatically failover to a secondary WAN and adjust load balancing accordingly. The ER8411 also supports LTE failover via its USB 3.0 ports. If the wired WAN fails, it will automatically switch to the LTE WAN backup. Furthermore, the ER8411 supports dual redundant power supplies to ensure carrier-class reliability if the internal power supply unit fails, which is crucial for enterprise networking.

With its 10G SFP+ ports, enterprise networks can easily upgrade their whole network integrating higher bandwidth to their existing connections (network camera surveillance, VoIP systems, server/NAS connections) and the full capacity Wi-Fi 6/6E technology.

The ER8411 also allows for up to 10 different WAN interfaces[1] for various internet access requirements. The multi-WAN load balancing function distributes data streams according to the bandwidth proportion of every WAN port to raise the utilization rate of multi-band broadband.

Easily Build a Whole 10G Enterprise Network

10G Router → Full 10G Fiber Switch → Core Server / NAS

PoE Switch with 10G Uplink
Connects PoE Devices, Hassle-Free

WiFi 6E and WiFi 6 Access Points With 10G or 2.5G Ports
Connect WiFi 6 APs with 10G or 2.5G PoE Switches

Switch with 10G Uplink
Lightning-Fast Wired Connections

Robust Security Features

Powerful Firewall

Convenient VLAN Support

DoS Defense

IP/MAC/URL/ Keyword Filtering

IP-MAC Binding

One-Click ALG Activation

Security

The ER8411 supports up to (500) x SSL VPN tunnels, (300) x IPSec VPN tunnels, (300) x PPTP + L2TP VPN tunnels, (110) x OpenVPN tunnels, which ensures secure and encrypted traffic between site-to-site remote communications.

In addition, the ER8411 features the following security functions: advanced firewall policies, DoS defense, IP/MAC/ URL filtering, IP-MAC binding, One-Click ALG activation.
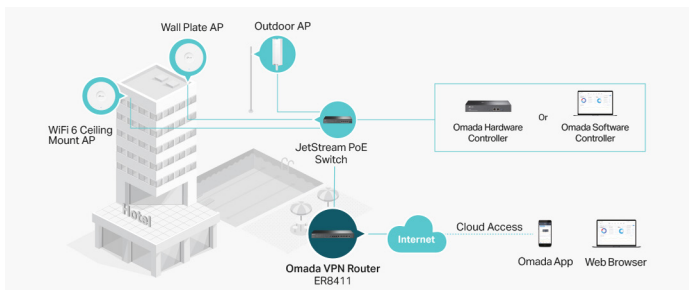
Management Details

The ER8411 is compatible with the intuitive Omada SDN controller which enables 100% centralized management of Omada access points, JetStream switches, and Omada routers – all from a single interface.

❯ Key Specifications

Quad-Core 2.2 GHz CPU
Enterprise-level hardware design provides maximum performance.

High-Performance Network Capacity
Maximum number of concurrent sessions - 2,300,000. Maximum number of clients - 1000+.

Two 10GE SFP+ Ports
High-bandwidth aggregation with 1 x WAN and 1 x WAN/LAN ports.

Up to 10 WAN Ports[1]
Multi-WAN Load Balance raises the utilization of multi-line broadband.

Two USB 3.0 Ports
Available 4G/3G Modem connection for LTE WAN backup.

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

Dual Redundant Power Supplies
Carrier-class reliability for enterprise networking.

Compatible with Omada SDN
Seamless integration with the Omada SDN platform, allowing for local or cloud management with an Omada SDN controller.

Disclaimers:

1. At least one WAN/LAN port needs to function as a LAN port.

2. ER8411 can work as a VPN client and can connect with up to 32 PPTP/L2TP VPN servers and 10 OpenVPN servers.

Have Questions? We're Here to Help.

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