



TP-Link | ER706W-4G | Omada 4G+ Cat6 AX3000 Gigabit VPN Router ** PoE Injector Not Included **

Product Images



TP-Link | ER706W-4G | Omada 4G+ Cat6 AX3000 Gigabit VPN Router ** PoE Injector Not Included **

Upgrade your network with the TP-Link ER706W-4G Omada 4G+ Cat6 AX3000 Gigabit VPN Router. Designed for high-speed connectivity and robust performance, this router supports 4G+ Cat6 by simply inserting a Nano SIM card, delivering download speeds up to 300Mbps. Ideal for both homes and small businesses, it offers dual-band WiFi 6 technology, providing up to 2402Mbps on 5GHz and 574Mbps on 2.4GHz, ensuring fast and reliable internet access across all your devices.

Equipped with six Gigabit Ethernet ports, the ER706W-4G guarantees ultra-fast wired connections, perfect for bandwidth-intensive tasks. The five high-gain detachable antennas extend and focus the Wi-Fi signals, offering broader coverage and stronger connections. With centralized management through the Omada cloud and app, network management is simplified, allowing you to control and monitor your network from anywhere.

The router supports Omada Mesh technology, seamlessly integrating with compatible EAPs to create a flexible and efficient mesh network. Its high-security VPN capabilities, including IPSec, SSL, WireGuard, OpenVPN, PPTP, and L2TP, ensure secure remote access and data protection. This router is not just about speed and security; it's designed to be user-friendly, with an easy installation process and intuitive management features.

FEATURES

- **4G+ Cat6 Support:** Insert a Nano SIM card for up to 300Mbps speeds
- **AX3000 Dual-Band WiFi 6:** 2402Mbps on 5GHz and 574Mbps on 2.4GHz
- **Six Gigabit Ethernet Ports:** High-speed wired connectivity
- **Five High-Gain Detachable Antennas:** Enhanced Wi-Fi coverage and signal strength
- **Centralized Management:** Manage via cloud and Omada app
- **Omada Mesh Support:** Seamless connection with mesh-compatible EAPs
- **High-Security VPN:** Supports multiple VPN protocols for secure remote access

SPECIFICATIONS

4G NETWORK TYPE:

- **LTE Bands (EU):**
 - FDD: B1/B3/B5/B7/B8/B20/B28/B32 (2100/1800/850/2600/900/800/700/1450 MHz);
 - TDD: B38/B40/B41 (2600/2300/2500 MHz)
- **3G Bands:** DC-HSDPA/HSPA+/HSDPA/HSUPA/WCDMA: B1/B3/B5/B8
- **Carrier Aggregation:** Various combinations, including B1+B1, B3+B3, B5+B5, etc.
- **SIM Type:** 1× Nano SIM Card
- **Frequency:**
 - Downlink: 300Mbps;
 - Uplink: 50Mbps

SECURITY:

- **Access Control:** Source/Destination IP-Based
- **Filtering:**
 - Web Group Filtering
 - URL Filtering
 - Web Security
- **ARP Inspection:**
 - GARP Packets

- ARP Scanning
- IP-MAC Binding
- **Attack Defense:** TCP/UDP/ICMP Flood Defense, Block TCP Scan, Block Ping from WAN

WIRELESS FEATURES:

- **Interfaces:**
 - 1 Gigabit SFP WAN/LAN Port
 - 1 Gigabit WAN Port
 - 4 Gigabit LAN/WAN Ports
- **Network Media:**
 - 10BASE-T
 - 100BASE-TX
 - 1000BASE-T
- **Button:** Reset Button
- **Power Supply:** 12VDC / 2A Power Adapter
- **Wi-Fi Frequency & Signal Rate:**
 - 2.4GHz: 574Mbps
 - 5GHz: 2402Mbps
- **Flash:** 128 MB NAND
- **DRAM:** 512 MB DDR4
- **LED:** SYS, WLAN, SFP, LTE Signal, WAN, WAN/LAN
- **Dimensions:** 226 × 131 × 35mm (Antenna dimensions are not included)
- **Antennas:**
 - Wi-Fi: Three 5GHz 5.5dBi & 2.4GHz 4.5dBi dual-band detachable antennas
 - LTE: Two 4.0dBi omnidirectional detachable antennas
- **Mounting:** Desktop/Wall-Mounting
- **Max Power Consumption:** EU: 17.3W

PERFORMANCE:

- **GRE:**
 - Unencrypted: 545.3Mbps
 - Encrypted: 282.6Mbps
- **WireGuard VPN:** 387.7Mbps
- **Concurrent Sessions:** 150,000
- **New Sessions/Second:** 5,100
- **NAT (Static IP):** 947.1Mbps / 940.1Mbps
- **NAT(DHCP):** 949.2Mbps / 941.1Mbps
- **NAT(PPPoE):** 942.6Mbps / 941.1Mbps
- **NAT (L2TP):** 875.4Mbps / 892.0Mbps
- **NAT (PPTP):** 881.2Mbps / 895.8Mbps
- **IPsec VPN Throughput:**
 - ESP-SHA1-AES256: 652.2Mbps
 - ESP-SHA256-AES256: 654.4Mbps
 - ESP-SHA384-AES256: 646.5Mbps
 - ESP-SHA512-AES256: 670.5Mbps
- **OpenVPN:** 115.5Mbps
- **L2TP VPN Throughput:**
 - Unencrypted: 990.0Mbps
 - Encrypted: 475.0Mbps
- **PPTP VPN Throughput:**
 - Unencrypted: 1177.9Mbps
 - Encrypted: 177.4Mbps
- **SSL VPN Throughput:** 122.5Mbps
- **66 Byte Packet forwarding rate:** 1,453,489 pps / 1,453,488 pps
- **1,518 Byte Packet forwarding rate:** 81274 pps / 91275 pps

WIRELESS FEATURES:

- **Advanced Functions:**
 - Seamless Roaming

- Mesh (with EAP that supports Mesh)
- OFDMA
- Beamforming
- MU-MIMO
- Rate Limit: Based on SSID/Client
- Airtime Fairness
- Wireless Encryption: WPA/WPA2/WPA3 Personal, WPA/WPA2/WPA3 Enterprise
- Multiple SSIDs: 16 in total (8 per radio)
- **Guest Network:** Support

BASIC FUNCTIONS:

- **WAN Connection Types:**
 - Static IP
 - Dynamic IP
 - PPPoE (supports MRU Configuration)
 - PPTP
 - L2TP
- **MAC Clone:** Modify WAN Address
- **DHCP:**
 - DHCP Server
 - DHCPv6 PD Server (only in Standalone Mode)
 - DHCP Options Customization
 - DHCP Address Reservation
 - Multi-IP Interfaces
 - Multi-Net DHCP
- **SMS:** Receive / Send SMS
- **IPv6:** StaticIP / SLAAC / DHCPv6 / PPPoE / 6to4Tunnel / PassThrough / Non-Address mode
- **VLAN:** 802.1Q VLAN
- **IPTV:** IGMP v2/v3 Proxy, Custom Mode, Bridge Mode

ADVANCED FUNCTIONS:

- **ACL:** IP/Port/Protocol/Domain Name Filtering
- **Advanced Routing:**
 - Static Routing
 - Policy Routing
 - RIP†
 - OSPF†
- **Bandwidth Control:** IP-Based Bandwidth Control
- **Load Balance:**
 - Intelligent Load Balance
 - Application Optimized Routing
 - Link Backup(Timing, 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
- **Session Limit:** IP-Based Session Limit

AUTHENTICATION:

- **Web Authentication:**
 - No Authentication
 - Simple Password
 - Hotspot (Local User / Voucher / SMS / Radius)

- External Radius Sever
- External Portal Sever
- LDAP

MANAGEMENT:

- **Omada App:** Yes
- **Centralized Management:**
 - Omada Cloud-Based Controller
 - Omada Hardware Controller (OC300)
 - Omada Hardware Controller (OC200)
 - Omada Software Controller
- **Cloud Access:** Yes
- **Service:** Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe, DDNS Customization)
- **Maintenance:**
 - Web Management Interface
 - Remote Management
 - Export & Import Configuration
 - SNMP v1/v2c/v3
 - Diagnostics (Ping & Traceroute)
 - NTP Synchronize
 - Port Mirroring
 - CLI (only in Standalone Mode)
 - Syslog Support
- **Zero-Touch Provisioning:** Yes. Require 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, RoH

CONTENTS

- EAP783
- Ceiling/Wall Mounting Kits
- Installation Guide

WARRANTY

1-year limited warranty

