TP-Link ER603WP-4G-Outdoor

Omada 4G Cat4 N300 Outdoor PoE Gateway · Specification summary



Network Type	LTE Band of EU: 4G LTE-FDD: B1/B3/B5/B7/B8/B20/B28 (2100/1800/850/2600/900/800/700); 4G LTE-TDD: B38/B40/B41 (2600/2300/2500 MHz); 3G HSPA+/HSDPA/HSUPA/WCDMA: B1/B5/B8 (2100/850/900 MHz)
SIM Type	1 Nano SIM slot (CAT4 4G)
Frequency	Downlink: 150 Mbps; Uplink: 50 Mbps
Access Control	Source/Destination IP Based ACL; Stateful ACL; IPv4/IPv6 ACL; National Based ACL
DNS Proxy	DNSSEC, DoH, DoT, DNS Override
Filtering	Web Group Filtering; URL Filtering; Web Security
Attack Defense	TCP/UDP/ICMP Flood Defense; Block TCP Scan (Stealth FIN/Xmas/Null); Block Ping from WAN
ARP Inspection	Sending GARP Packets; ARP Scanning; IP-MAC Binding; ARP Detection
GRE	√ (Only in Standalone Mode)
IPsec VPN	6 IPSec VPN Tunnels; LAN-to-LAN, Client-to-LAN; Main, Aggressive Negotiation Mode; DES, 3DES, AES128, AES192, AES256 Encryption Algorithm IPsec; Failover; IKE v1/v2; MD5, SHA1, SHA-256, SHA2-384, SHA2-256 and SHA2-512; Authentication Algorithm NAT Traversal (NAT-T); Dead Peer Detection (DPD); Perfect Forward Secrecy (PFS)
PPTP VPN	PPTP VPN Server; PPTP VPN Client (6); 6 Tunnels; PPTP with MPPE Encryption
L2TP VPN	L2TP VPN Server; L2TP VPN Client (6); 6 Tunnels; L2TP over IPSec
OpenVPN	OpenVPN Server; OpenVPN Client (3); 18 OpenVPN Tunnels; "Certificate + Account" Mode; Full Mode
WireGuard VPN	√
SD-WAN	√ (Only in Controller Mode)
Interface	3 Gigabit WAN/LAN Ports
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	Passive/802.3af/at/bt PoE; 12V/1A Adapter; (A passive PoE adapter is provided)
PoE Standard	Passive/802.3af/at/bt PoE in for port 1; Passive/802.3af/at PoE out for port 2-3
Wi-Fi Frequency & Signal Rate	2.4 GHz: 300 Mbps
Flash	128 MB NAND
DRAM	256 MB DDR3
LED	4G Signal, WLAN. WAN/LAN, SYS
Dimensions (W × D × H)	4.0 × 1.5 × 6.9 in (100.4 × 38.7 × 174.8mm)(excluding antennas)
Antenna	2 internal Wi-Fi antennas; 2 external LTE antennas
Mounting	Wall/Pole Mounting (Kits included)
Max. Power Consumption	10 W without PoE; 62 W with PoE
Concurrent Session	50,000
New Sessions /Second	2,028
NAT (Static IP)	944.785 Mbps / 939.201 Mbps
NAT(DHCP)	944.545 Mbps / 927.491 Mbps
NAT(PPPoE)	939.278 Mbps / 928.516 Mbps
NAT (L2TP)	432.126 Mbps / 355.712 Mbps
NAT (PPTP)	513.104 Mbps / 457.323 Mbps
66 Byte Packet Forwarding Rate	1,419,519 pps / 1,418,731 pps
1,518 Byte Packet forwarding rate	81,068 pps / 81,068 pps
IPsec VPN Throughput	ESP-SHA1-AES256: 192.432 Mbps; ESP-SHA256-AES256: 195.445 Mbps; ESP-SHA384-AES256: 48.55 Mbps; ESP-SHA512-AES256: 48.363 Mbps
L2TP VPN Throughput	Unencrypted: 370.822 Mbps; Encrypted: 144.05 Mbps
PPTP VPN Throughput	Unencrypted: 408.038 Mbps; Encrypted: 35.912 Mbps
Management Features (supported)	Omada App, Cloud Access
Centralized Management	Omada Cloud-Based Controller; Omada Hardware Controller; Omada Software Controller
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
Management Features	Automatic Device Discovery; Intelligent Network Monitoring; Abnormal Event Warnings; Unified Configuration; Reboot Schedule; Captive Portal Configuration; ZTP (Zero-Touch Provisioning)
Advanced Features	WPA/WPA2 Personal, WPA/WPA2 Enterprise; Multiple SSIDs: 8 in total (8 per radio); Rate Limit: Based on SSID/Client

Wireless Features (supported)	Guest Network
LAN DNS	√
WAN Connection Type	Static IP; Dynamic IP; PPPoE (supports MRU Configuration); PPTP; L2TP
MAC Clone	Modify WAN Address
DHCP	DHCP Server; DHCPv6 PD Server; DHCP Options Customization; DHCP Address Reservation; Multi-IP Interfaces; Multi-Net DHCP; WAN DHCP 60
Stateful ACL	√
Quality of Service	√
Bridge VLAN	√
SMS	Receive/Send SMS
mDNS Repeater	√
IPv6	StaticIP / SLAAC / DHCPv6 / PPPoE / 6to4Tunnel / PassThrough / Non-Address mode
VLAN	802.1Q VLAN
IPTV	IGMP v2/v3 Proxy, Custom Mode, Bridge Mode
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; Disable NAT
Routing	Static Routing; Policy Routing; RIP; OSPF
Session Limit	IP-based Session Limit
Web Authentication	No Authentication; Simple Password; Hotspot (Local User / Voucher / SMS / Radius); External Radius Server; External Portal Server; LDAP
Certification	CE
Package Content	ER603WP-4G-Outdoor; Mounting Kits; Passive PoE Adapter; Quick Installation Guide
Environment	Operating Temperature: -30°C–60 °C (-22 °F–140 °F); Storage Temperature: -40 °C–70 °C (-40 °F–158 °F); Operating Humidity: 5%–95% non-condensing; Storage Humidity: 5%–90% non-condensing

Specifications are summarised from the manufacturer's published information (checked 2026-11-02). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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