

AX3000 Multi-Gigabit Wi-Fi 6 Router

MODEL: EX510 Pro



Overview

EX510 Pro is a TP-Link Wi-Fi 6 router based on the 802.11ax standard. Take your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards. Equipped with a Full 2.5G WAN port, EX510 Pro is an ideal choice for internet service plan over 1Gbps, bringing superior experience for multi-connections.



AX3000 Dual Band Wi-Fi

Integrating the latest Wi-Fi technology, including 1024-QAM, HE160, and 4× longer OFDM symbols, EX510 Pro reaches speeds up to 2402 Mbps on the 5 GHz band and 574 Mbps on 2.4 GHz.



Multi-Gigabit Internet Access

Take full advantage of the broadband with speed up to 2.5 Gbps through a 2.5GE WAN port and four gigabit Ethernet LAN ports for fast and reliable wired connections.



Latest WPA3 Security

WPA3 brings new capabilities and improves your cybersecurity. More secure encryption in Wi-Fi password safety and enhanced protection against brute-force attacks combine to safeguard your home Wi-Fi.



EasyMesh Feature Supported

EX510 Pro adopts EasyMesh technology, which has further improved and standardized Wi-Fi functions, such as Wi-Fi diagnostics, channel selection and traffic separation.

Specifications

Hardware

- **Interface**
1× 10/100/1000/2500 Mbps RJ45 WAN Port
4× 10/100/1000 Mbps RJ45 LAN Ports
1× USB 3.0 Port
- **Antenna**
External antennas
- **External Power Supply**
12VDC/2.0A(For US), 12VDC/1.5A(For EU)
- **Dimensions (W * D * H)**
10.2 × 5.3 × 1.5 in (261.1 × 134.5 × 40.0 mm)
- **Button**
WPS/Wi-Fi Button, Reset Button, Power ON/OFF Button
- **CPU**
Dual-Core, 1.0 GHz

Wireless

- **Wireless Standards**
IEEE 802.11a/n/ac/ax 5GHz, IEEE 802.11b/g/n/ax 2.4GHz
- **Frequency**
2.4 GHz and 5 GHz
- **Signal Rate**
2402Mbps at 5GHz, 574Mbps at 2.4GHz
- **Transmit Power**
FCC: <30dBm(2.4GHz & 5.15GHz~5.825GHz),
CE: <20dBm (2.4GHz); <23dBm (5.15GHz~5.35GHz);
<30dBm (5.47GHz~5.725GHz)
- **Wireless Security**
WPA/WPA2/WPA3 Personal, WPA/WPA2 Enterprise
- **Wireless Function**
MU-MIMO, Beamforming, Band Steering, Airtime Fairness
- **Support EasyMesh**
Seamless Roaming, Self-healing, Support 802.11k/v/r,
Ethernet Backhaul

Software

- **Working Mode**
Router Mode, AP Mode
- **WAN Type**
Dynamic IP/Static IP/PPPoE/L2TP/PPTP
- **Protocols**
Supports IPv4 and IPv6
- **Multi SSID**
Up to 3 SSIDs for each band (including main SSID)
- **Features**
Guest Network, NAT Forwarding, Static Routing, RIP, QoS,
Parental Control, 2-level Account, Network Diagnostics,
Traffic Statistic, Port Mirror, Cloud Upgrade
- **Management**
Local management: WebGUI management, Aginet app management
Remote management: TR-069, TR-181, TR-369, TR-111, TR-143
Cloud management: TAUC
- **DHCP**
Server, Client, Option 43/60
- **Security**
SPI Firewall, DDoS, Access Control, IP-MAC binding
- **Support IPTV, IGMPV2/3 and IGMP Snooping/Proxy**
- **Schedule**
LED Schedule, Wi-Fi Schedule
- **DDNS**
TP-Link, NO-IP, DynDNS
- **VPN Server**
OpenVPN, PPTP, IPSec

Others

- **System Requirements**
Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or
other JavaScript-enabled browser
Cable or DSL Modem (if needed)
Subscription with an internet service provider (for internet access)
- **Certification**
CE, FCC
- **Environment**
Operating Temperature: 0°C~40°C (32°F ~104°F)
Storage Temperature: -40°C~60°C (-40°F ~140°F)
Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~90% non-condensing
- **Package Contents**
AX3000 Multi-Gigabit Wi-Fi 6 Router EX510 Pro
1× RJ45 Ethernet Cable
1× Power Adapter
1× Quick Installation Guide