tp-link | Aginet

AX3000 Dual Band Wi-Fi 6 Router



MODEL: EX520

Overview

EX520 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.

Faster Wireless Connection

Integrating the latest Wi-Fi technology, including 1024-QAM, HE160, and 4× longer OFDM symbols, EX520 reaches speeds up to 2402 Mbps on the 5 GHz band and 574 Mbps on 2.4 GHz.

Beamforming for Better Corverage

Beamforming technology detects the location of your connected devices and concentrates Wi-Fi signals towards them to create stronger overall connections.

Lastest 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.

Easy Remote Management

TR-069 and TR-369 protocols, Aginet app, and TAUC (TP-Link Aginet Unified Cloud) are supported, service providers can manage multiple devices remotely.

*LEDs may differ from actual products.

Features

Gigabit Internet Access

Take full advantage of your broadband with speeds up to 1 Gbps through a Gigabit WAN port. Plug your PCs, smart TVs, and game consoles into one of the four Gigabit LAN ports for fast and reliable wired connections.

EasyMesh Technology

EX520 adapts this standard for improved compatibility and functionality, including Wi-Fi diagnostics, channel selection, and traffic separation.

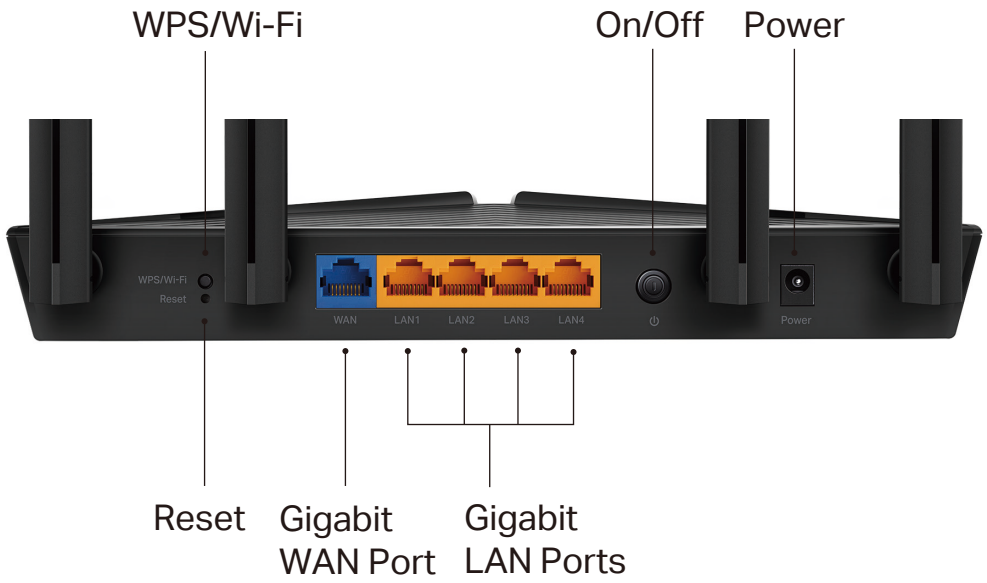
Powerful and Stable

Every click you make responds faster. A 1.3 GHz Dual-Core CPU handles multi-gig throughput and minimizes the latency within your home network, delivering you a smooth experience.

MU-MIMO: Efficient Wi-Fi for Every Device

MU-MIMO technology serves multiple devices at once. No more bandwidth congestion or latency. All devices receive their data faster and Wi-Fi is used more efficiently.

Hardware Description



Specifications

Hardware

- Interface

  4× 10/100/1000 Mbps RJ45 LAN Ports
  1× 10/100/1000 Mbps RJ45 WAN Port
- Antenna

  4× High-Performance External Antennas
- External Power Supply

  12V/1.5A
- Dimensions (W * D * H)

  10.2 × 5.3 × 1.5 in (260.2 × 135.0 × 38.6 mm)
- Button

  Power On/Off Button, Reset Button, Wi-Fi/WPS Button

Wireless

- Wireless Standards

  IEEE 802.11a/n/ac/ax 5 GHz, IEEE 802.11b/g/n/ax 2.4 GHz
- Signal Rate

  2402 Mbps at 5GHz, 574 Mbps at 2.4GHz
- Transmit Power

  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

  Enable/Disable Wireless Radio, WMM, Wireless Statistics, Multi-SSID, Guest Network, TX Beamforming
- Wireless Schedule

  Supports 2.4 GHz and 5 GHz Wireless Schedule
- EasyMesh Support

  Seamless Roaming, Self-healing, 80211k/v/r Support
- Frequency

Band	Frequency
2.4G	2402-2472MHz
5G	5170-5250MHz 5250-5330MHz 5490-5725MHz 5735-5835MHz

Software

- Working Mode

  Router Mode, AP Mode
- WAN Type

  Dynamic IP/Static IP/PPPoE/PPTP/L2TP/Bridge
  Multi-EWAN
- Protocols

  Supports IPv4 and IPv6
- Multi SSID

  Up to 3 SSIDs for each band (including main SSID)
- Features

  Parental Control, Firewall, IPSEC VPN, IPv6, Port Forwarding, NAT Forwarding, Address Reservation, QoS(Quality of Service), CWMP, Network Diagnosis, Traffic Statistic, Cloud upgrade, 1024-QAM, MU-MIMO, OFDMA, EasyMesh
- Management

  Local management: WebGUI management, Aginet app management
  Remote management: TR-069, TR-181, TR369, TR-111,TR-143
  Cloud management: TAUC
- DHCP

  Server, DHCP Client List, Address Reservation
- Port Forwarding

  Virtual Server, Port Triggering, UPnP, DMZ
- Dynamic DNS

  NO-IP, DynDNS
- VPN Server

  PPTP, OpenVPN, IPSec
- VPN Pass-through

  IPSec, PPTP, L2TP
- Access Control

  Parental Control, Local Management, Host List, White/Black List
- Firewall Security

  DoS, SPI Firewall, IP and MAC Address Binding

Others

- System Requirements

  Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1,10, MAC OS, NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0 browers or higher.
- Certifications

  CE, DFS
- 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 Dual Band Wi-Fi 6 Router EX520
  1× RJ45 Ethernet Cable
  1× Power Adapter
  1× Quick Installation Guide