

BE7200 Dual-Band Wi-Fi 7 VoIP Router

MODEL: EB431v



Wi-Fi 7, Wi-Fi Like Never Before

Wi-Fi 7 has arrived with jam-breaking performance - offering accelerated throughput, lower latency, stronger anti-jamming and higher efficiency. Join the league of pros and experience the sheer performance of the next generation Wi-Fi.



7.2 Gbps Dual-Band WiFi 7

Enables your devices to run at full speed. Enjoy fluent 4K/8K streaming, immersive AR/VR gaming, and blazing-fast downloads



Outstanding 2.5 Gbps Wired Performance

Equipped with two 2.5 Gbps ports — one 2.5G WAN port and one 2.5G Ethernet LAN port — EB431v provides high-speed Internet and versatile applications. The additional three GE Ethernet LAN ports and USB 3.0 port make it an ideal solution for your future-proofing home network.



1.5× Faster Speeds to Power Your Devices

Multi-Link Operation (MLO) enables EB431v to transmit data with Wi-Fi 7 clients across the 2.4 GHz and 5 GHz bands simultaneously, delivering 1.5× faster Wi-Fi speeds than Wi-Fi 6/6E mesh.



The Ultimate Backhaul

With the latest Wi-Fi 7 MLO technology, the system's wireless backhaul aggregation flow rate is increased. This way, it greatly improves overall throughput and reduces latency, delivering broader coverage with more stable and reliable connections.

Features



BE7200 Dual-Band Wi-Fi

5760 Mbps (5 GHz, EHT160) + 1376 Mbps (2.4 GHz, EHT40).



2.5G Fiber and Ethernet Internet Connections

1× 2.5 GE WAN port, 1× 2.5 GE LAN port, and 3× GE LAN ports ensure the ultimate wired internet access.



Next-Gen Wi-Fi Technology

Enjoy extreme Wi-Fi performance in network speed, efficiency, and capacity with cutting-edge technology.



EasyMesh Compatible

Create a smart mesh network with seamless coverage and greater flexibility.



VoIP Calls

Supports multiple VoIP accounts and various call features to surpass traditional landlines.



Remote Management

TR-069 and TR-369 protocols and TAUC (TP-Link Aginet Unified Cloud) are supported.

Specifications

Hardware

- Ethernet Port
 - 1× 2.5 Gbps Ethernet WAN Port,
 - 1× 2.5 Gbps Ethernet LAN Port,
 - 3× 10/100/1000 Mbps RJ45 LAN Ports,
 - 1× USB 3.0 Port, 2× Phone Ports
- Button
 - Power On/Off Button, Reset Button,
 - WPS Button, Wi-Fi Button
- Dimensions (W × D × H)
 - 7.44 × 2.76 × 8.58 in (189 × 70 × 218 mm)
- Power Adapter Input
 - 100-240V~50/60Hz
- Power Adapter Output
 - 12V/2.5A

Wireless

- Wireless Standards
 - IEEE 802.11be/ax/ac/n/a 5 GHz,
 - IEEE 802.11be/ax/n/b/g 2.4 GHz
- Wi-Fi 7 Functions
 - Multi-Link Operation (MLO),
 - 4K-QAM, and Multi-RUs
- Wi-Fi Speeds
 - 5 GHz: 5760 Mbps (802.11be)
 - 2.4 GHz: 1376 Mbps (802.11be)
- Transmit Power
 - FCC: ≤ 30 dBm (2.4 GHz), ≤ 30 dBm (5 GHz)
 - CE: ≤ 20dBm EIRP (2.4GHz); ≤ 23dBm EIRP (5.17GHz~5.35GHz);
 - ≤ 30dBm EIRP (5.47GHz~5.725GHz)
- Wi-Fi Encryption
 - WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x)
- Mesh protocol
 - 802.11k/v/r

Others

- Certification
 - RoHS
- 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% RH
 - Storage Humidity: 5%~90% RH

Software

- Working Mode
 - Router Mode, Access Point Mode
- WAN Types
 - Dynamic IP/Static IP/PPPoE/PPTP/L2TP
- DHCP
 - Server, DHCP Client List, Address Reservation
- Protocols
 - Supports IPv4 and IPv6
- Multi SSID
 - Up to 3 SSIDs for each band (including main SSID)
- Network Security
 - SPI Firewall, Access Control, IP & MAC Binding,
 - Application Layer Gateway
- Guest Network
 - 5GHz Guest Network,
 - 2.4 GHz Guest Network
- Management
 - Local management: WebGUI management, Aginet app management
 - Remote management: TR-069, TR-181, TR-369, TR-111, TR-143
 - Cloud management: TAUC
- Dynamic DNS
 - NO-IP, DynDNS, TP-Link
- VPN Server
 - OpenVPN, PPTP, L2TP VPN Server
- VPN Client
 - OpenVPN, PPTP, L2TP VPN Client
- Access Control
 - Parental Control, Local Management, Host List, White/Black List
- Quality of Service
 - QoS by Device
- Cloud Service
 - Auto Firmware Upgrade, TP-Link ID, DDNS
- NAT Forwarding
 - Port Forwarding, Port Triggering, DMZ, UPnP

- Package Contents for EB431v
 - 1× BE7200 Dual-Band Wi-Fi 7 VoIP Router EB431v
 - 1× RJ45 Ethernet cable
 - 1× RJ11 Phone cable
 - 1× Power adapter
 - 1× Quick Installation Guide