

AQUILA PRO AI BE9500 Wi-Fi 7 Smart Router

R95

Key Features

- Wi-Fi 7 technology provides ultra high-speed performance, greater capacity, and less network congestion
- Tri-band (2.4 GHz/5 GHz/6 GHz) utilizing ultra-wide 320 MHz channels ensures smoother, blazing-fast data transmission²
- 4096-QAM significantly increases data throughput and capacity to more than double that of Wi-Fi 6
- OFDMA, MU-MIMO and beamforming reduce latency, improve Wi-Fi efficiency, and transmit to more devices simultaneously
- Latest WPA3™ data encryption provides the most robust network protection while Enhanced Open provides encrypted access to open, public networks in venues such as hotels, libraries, and malls
- Multi-Link Operation (MLO) technology improves latency for real-time applications, enhances network reliability, and mitigates interference
- 2.5 Gigabit Ethernet ports allow for high-speed wired connectivity
- Eco-friendly design and elegant aesthetics blend perfectly into any modern home
- Free AQUILA PRO AI app for hassle-free installation and management



User Benefits



Ultra-Fast Connections

The latest Wi-Fi 7 technology enables real-time applications with high bandwidth and data rates



2.5-Gigabit Ports

2.5GbE LAN and WAN ports to plug in smart TVs, game consoles, and more for fast and reliable wired connections



AI-Powered Technology

Built-in AI algorithm ensures optimized Wi-Fi connections throughout your home



Easy Setup and Management

Set up your mesh Wi-Fi in minutes with the AQUILA PRO AI app to effortlessly manage your network



Reliable Connectivity

Mesh capability eliminates dead spots and weak signals for homes of any size



Enhanced Security

Advanced parental controls, guest Wi-Fi, WPA3™ encryption and IEC 62443-4-1 for safer connections



Multi-Link Operation MLO

Multi-Link Operation (MLO) significantly enhances wireless resiliency, throughput, and latency reduction



Aesthetic Design

Eagle-inspired design and feather-patterned ventilation blends beauty and performance

Technical Specifications

| | | |
|--------------------------------|--|--|
| General | | |
| Device Interfaces | <ul style="list-style-type: none">• 3 x 2.5 Gigabit Ethernet LAN port• 1 x 2.5 Gigabit Ethernet WAN port• 1 x WPS button | <ul style="list-style-type: none">• 1 x Reset button• 1 x Power connector• 1 x LED on/off button |
| LED | Power/Status/WPS | |
| Antenna Type | <ul style="list-style-type: none">• 2 x 2.4/5 GHz external antennas | <ul style="list-style-type: none">• 2 x 6 GHz external antennas |
| Wi-Fi Data Rate ^{1,2} | <ul style="list-style-type: none">• 2.4 GHz up to 688 Mbps• 5 GHz up to 2882 Mbps | <ul style="list-style-type: none">• 6 GHz up to 5764 Mbps |
| IEEE Standard | <ul style="list-style-type: none">• IEEE 802.11be/ax/ac/n/g/b/k/v/a/h• IEEE 802.3u/ab/bz | |
| WAN Type | <ul style="list-style-type: none">• Static IP• Dynamic IP• PPPoE• PPTP | <ul style="list-style-type: none">• L2TP• DS-Lite• 802.1p & 802.1q VLAN tagging and priority bit |
| Functionality | | |
| Security Protocol | <ul style="list-style-type: none">• WPA - personal• WPA2 - personal | <ul style="list-style-type: none">• WPA3 - personal• Enhanced Open |
| Firewall | <ul style="list-style-type: none">• DoS• Stateful Packet Inspection• Anti-spoofing checking | <ul style="list-style-type: none">• IP address filtering• 1 x DMZ |
| Mesh | D-Link Wi-Fi Mesh | |
| QoS | D-Link Intelligent QoS Technology | |
| Power Saving | AI Eco Mode | |
| Access Control | <ul style="list-style-type: none">• Advanced Parental Controls• Guest zone | <ul style="list-style-type: none">• IoT zone• MLO zone |
| Dynamic DNS | <ul style="list-style-type: none">• No-IP DDNS | <ul style="list-style-type: none">• Dyn DDNS |
| Protocols | <ul style="list-style-type: none">• IPv4 | <ul style="list-style-type: none">• IPv6 |
| Operation Modes | <ul style="list-style-type: none">• Router mode• Extender mode | <ul style="list-style-type: none">• Bridge mode |
| VPN Pass-Through | <ul style="list-style-type: none">• L2TP• PPTP | <ul style="list-style-type: none">• IPSec |
| Software | | |
| Device Management | <ul style="list-style-type: none">• AQUILA PRO AI app (iOS and Android) | <ul style="list-style-type: none">• Web UI |
| Voice Assistants | <ul style="list-style-type: none">• Amazon Alexa | <ul style="list-style-type: none">• Google Assistant |
| Physical | | |
| Hardware version | A1 | |
| Dimensions | 244 x 220 x 207 mm (9.61 x 8.66 x 8.15 in) | |
| Weight | 940 g (33.16 oz) | |
| Power Input | 12 V / 4 A | |
| Max Power Consumption | 20.291 W | |
| Operating Temperature | 0 to 40 °C (32 to 104 °F) | |
| Storage Temperature | -20 to 65 °C (-4 to 149 °F) | |
| Operating Humidity | 10% to 90% non-condensing | |
| Storage Humidity | 5% to 95% non-condensing | |
| Certifications | <ul style="list-style-type: none">• CE• FCC | <ul style="list-style-type: none">• IC |
| Ordering Information | | |
| R95 | BE9500 Wi-Fi 7 Smart Router | |
| Package Contents | <ul style="list-style-type: none">• BE9500 Wi-Fi 7 Smart Router (R95)• Power Adapter• Ethernet Cable | <ul style="list-style-type: none">• Quick Installation Guide |

1.

Maximum wireless signal rate derived from IEEE Standard 802.11be specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

2.

Supported frequency bands are dependent on regional variants and may not be available in all markets.