

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 with enhanced privacy and security
- 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



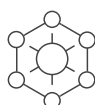
AI-Optimized Connectivity

Improved Wi-Fi channel tuning, beamforming, and QoS ensure a consistent, efficient Wi-Fi experience



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

Safer connections with separate Wi-Fi zones, advanced parental controls, WPA3™ encryption, and EN 18031/IEC 62443-4-1 certificates



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• IPv4 as a Service• 802.1p & 802.1q VLAN tagging and priority bit
Functionality		
Security Protocol	<ul style="list-style-type: none">• WPA2 - personal	<ul style="list-style-type: none">• WPA3 - personal
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 (mesh system support available on select models) ³	
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™)⁴	<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	219.6 x 237.6 x 207.4 mm (8.65 x 9.35 x 8.15 in)	
Weight	940 g (33.16 oz)	
Power Input	12 V / 4 A	
Max Power Consumption	20.291 W	
Acoustic (Sound Pressure Level)	Max 30 dB(A) at room temperature	
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• IC	<ul style="list-style-type: none">• NCC/BSMI
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	<ul style="list-style-type: none">• Quick Installation Guide• Ethernet Cable

1. Maximum wireless signal rate derived from IEEE Standard 802.11be/ax/ac/n/g/b/a specifications. Actual performance may vary due to settings, cabling, temperature, network configuration, interface, device compatibility, environmental and on-site conditions, and other similar factors. References to power capability, signal or processing speed, signal range or distance, data encryption, storage capacity, display properties, or other performance metrics are based on optimal conditions derived from industry standards and provided for informational purposes only.

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

3. Please visit the product page to see which models are compatible with mesh systems.

4. Google, Android and Google Home are trademarks of Google LLC.

5. Specifications may be subject to change without prior notice.