

BE9500 Wi-Fi 7 Tri-Band PoE Access Point

DAP-E9560

Key Features

- Wi-Fi 7 technology provides ultra-high-speed performance, greater capacity, interference mitigation, and less network congestion
- Tri-band (2.4 GHz/5 GHz/6 GHz) utilising ultra-wide 320 MHz channels ensures smoother, blazing-fast data transmission
- 4096-QAM significantly increases data transmission and capacity up to 20% more than 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 shopping centres
- Multi-Link Operation (MLO) technology improves latency for real-time applications, enhances network reliability, and delivers significantly higher throughput
- 10-Gigabit Ethernet port provides reliable and high-performance connectivity
- Power over Ethernet means less wires, for cleaner and easier deployment
- Flexible and easy installation onto wall or ceiling with included brackets
- Managed by Nuclias Connect platform for device configurations and real-time monitoring



User Benefits



Ultra-Fast Connections

Latest Wi-Fi 7 technology to enhance interference mitigation and improve wireless performance



Powered by PoE

Powered by PoE switch or PoE injector for flexible installation and reduces deployment costs



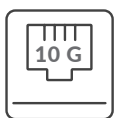
SSID-VLAN Mapping

Assign SSIDs to various VLAN tags to segregate user group access without compromising network security



Customisable Captive Portal

Customise Captive Portal login pages to enhance network security and promote user engagement



10-Gigabit Ports

Wired 10 GbE speeds reduce network latency and ensure network infrastructure is ready for future upgrade requirements



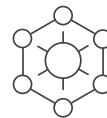
Central Management

Nuclias Connect management platform helps admins to analyse, automate, configure, optimise, scale, and secure the network



Advanced Security

Latest WPA3™ Personal /Enterprise encryption and MAC/IP ACL for networks with higher security requirements



Multiple Operational Modes

In addition to AP mode, WDS or WDS+AP modes are also available to meet various deployment scenario needs

Technical Specifications

General		
Device Interfaces	<ul style="list-style-type: none">• 1 x 10-Gigabit Ethernet PoE LAN port• 1 x 2.5-Gigabit Ethernet LAN port• 1 x RJ45 console port	<ul style="list-style-type: none">• 1 x Reset button• 1 x USB Type-C power connector
LED	Power/Status	
Antenna Type	<ul style="list-style-type: none">• 2 x 2.4 GHz internal antennas• 2 x 6 GHz internal antennas	<ul style="list-style-type: none">• 2 x 5 GHz internal antennas
Wi-Fi Data Rates ^{1,2}	<ul style="list-style-type: none">• 5 GHz up to 2402 Mbps• 2.4 GHz up to 688 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/a• IEEE 802.3u/ab/an	<ul style="list-style-type: none">• IEEE 802.3bt PoE
Functionality		
Security Protocol	<ul style="list-style-type: none">• WPA/WPA2/WPA3™ Personal/Enterprise• SSID broadcast disable• MAC address access control	<ul style="list-style-type: none">• WEP 64/128-bit• Enhanced Open• Internal RADIUS server
Operating Frequency ²	<ul style="list-style-type: none">• 2.4 - 2.483 GHz• 5.925 - 7.125 GHz	<ul style="list-style-type: none">• 5.15 - 5.35 GHz• 5.47 - 5.85 GHz
Software		
Device Management	<ul style="list-style-type: none">• Web (HTTP/HTTPS)• Nuclias Connect	<ul style="list-style-type: none">• Telnet/SSH• SNMP
Physical		
Dimensions	212 x 212 x 44.5 mm	
Power Input	20V/2.25A	
Operating Temperature	0 to 40°C	
Storage Temperature	-20 to 65°C	
Operating Humidity	10% to 90% non-condensing	
Storage Humidity	5% to 95% non-condensing	
Certifications	<ul style="list-style-type: none">• CE	<ul style="list-style-type: none">• FCC
Package Contents		
DAP-E9560	<ul style="list-style-type: none">• DAP-E9560• Ceiling Brackets	<ul style="list-style-type: none">• Mounting Brackets• Quick Start Guide

1.The maximum data rates mentioned are theoretical values. The actual data rates achieved may vary depending on the specific network environment and conditions.

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