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Highlights

BE3600 Wi-Fi 7 Performance
Dual-band Wi-Fi 7 (2x2 + 2x2) delivers up to 3.6 Gbps combined, with Multi-Link Operation (MLO) and 4K-QAM for higher throughput, lower latency and more reliable connections.

2.5G Uplink with PoE+
A 2.5 Gigabit Ethernet port prevents wired bottlenecks. 802.3at PoE+ delivers power and data over a single cable for simple, cost-effective installation.

Secure, Centrally Managed
WPA3 Personal/Enterprise, 802.1X and per-SSID VLANs keep users separated and protected. Manage via Nuclias Unity, Connect or Hyper, or the standalone web interface.



DAP-E3620

Wireless BE3600 Wi-Fi 7 PoE Access Point

Key Features:

Wi-Fi 7 Technology

- Dual-Band Wi-Fi 7 (2x2 + 2x2) BE3600 solution
- Multi-Link Operation (MLO) improves transmission efficiency and connection stability
- 4096-QAM modulation enhances data throughput and spectrum efficiency

Customisable Captive Portal

- Each SSID can be configured with a dedicated captive portal page
- Customisable login pages for branding, advertising, or promotional purposes

Centralised Management

- Supports Nuclias Unity, Nuclias Connect or Nuclias Hyper for centralised management, monitoring, and maintenance
- Provides flexible deployment options with centralised cloud or on-premises management

Advanced Security

- Latest WPA3 Personal/Enterprise encryption
- Supports 802.1X and MAC/IP ACL
- Provides comprehensive security for wireless networks

VLAN Per SSID

- Per-SSID VLAN tagging for segmented network traffic
- Multiple user groups on one AP, each with its own access control policy

The DAP-E3620 BE3600 Wi-Fi 7 Dual-Band Access Point is designed to deliver reliable, secure, high-performance wireless connectivity for offices, retail, education, hospitality, and other commercial environments. With Wi-Fi 7 Dual-Band technology, advanced security features, and centralised management, it effectively meets the wireless requirements of offices and commercial spaces.

High-Speed Wi-Fi 7 Connectivity

The DAP-E3620 leverages core Wi-Fi 7 technologies such as Multi-Link Operation (MLO) and 4K QAM, enabling simultaneous multi-link communication to improve throughput, reduce latency, and enhance connection reliability.

2.5-Gigabit Ethernet Port

The DAP-E3620 also provides fast wired connectivity, providing higher wired bandwidth for demanding wireless clients and reducing network bottlenecks. With support for 2.5 GbE speeds, it delivers a stable and efficient wired network experience, ideal for everyday office and business use.

Powered by PoE

The DAP-E3620 can be powered directly via a PoE switch, enabling flexible installation without the need for additional power outlets. This simplifies deployment and reduces overall installation costs, making network expansion more efficient and cost-effective.

SSID-VLAN Mapping

The DAP-E3620 supports SSID-VLAN Mapping, allowing administrators to assign different SSIDs to specific VLAN tags. This enables secure traffic separation between user groups while simplifying network administration.

Customisable Captive Portal

The DAP-E3620 offers a customisable Captive Portal, enabling network administrators to create personalised login pages. This not only enhances network security through proper user authentication but also strengthens user engagement with tailored branding and messaging.

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Wireless BE3600 Wi-Fi 7 PoE Access Point

Advanced Security

The DAP-E3620 delivers Advanced Security features, including the latest WPA3™ Personal and Enterprise encryption and MAC/IP Access Control Lists (ACLs). These robust security measures ensure enterprise and business networks requiring enhanced security are well protected against unauthorised access and potential threats.

Multiple Operational Modes

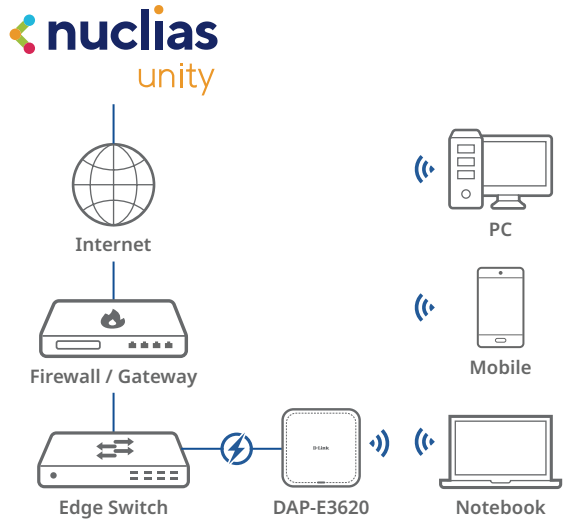
The DAP-E3620 Access Point offers Multiple Operational Modes to accommodate diverse deployment scenarios. In addition to standard AP mode, it supports WDS and WDS+AP modes, providing flexible options for extending network coverage and integrating with existing infrastructure.

Centralised Management

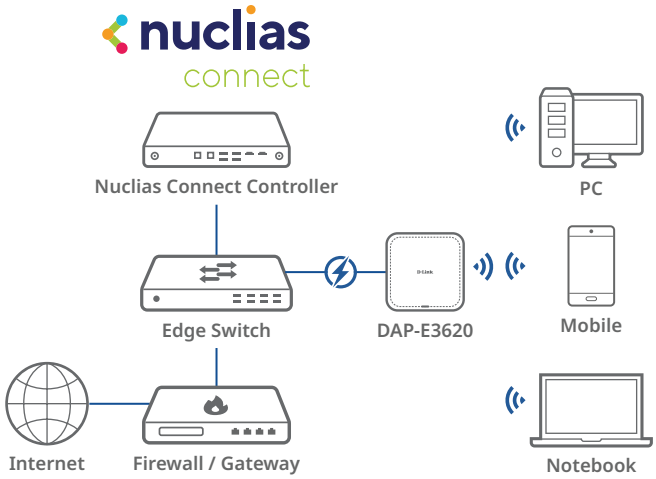
The DAP-E3620 supports Nuclias Unity, Nuclias Connect and Nuclias Hyper, enabling centralised management, monitoring, and maintenance. Users can easily automate, monitor, and scale their network operations through an intuitive interface and real-time data insights. It provides flexible deployment options with centralised cloud or on-premises management, making network administration simpler and allowing seamless expansion as the network grows. Centralised management ensures optimal performance and security while saving time and improving efficiency.

Deployment Scenarios

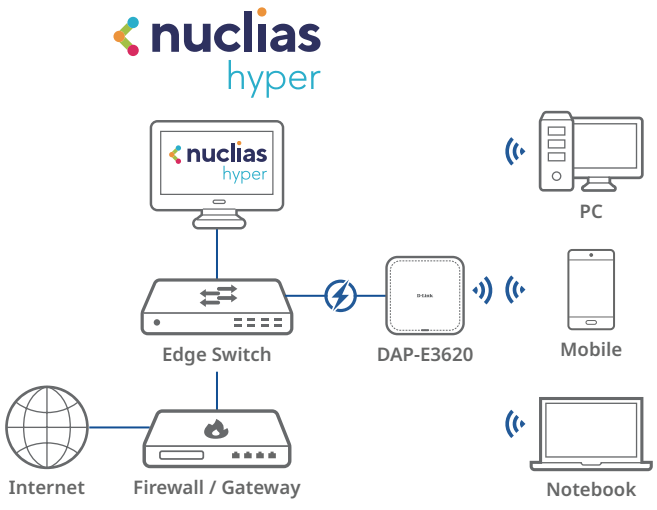
Nuclias Unity Centralised Management



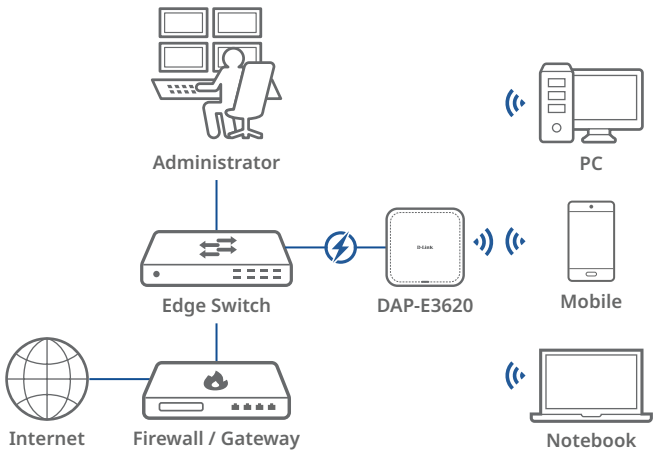
Nuclias Connect Centralised Management



Nuclias Hyper Centralised Management



Standalone Web GUI Management



DAP-E3620
Wireless BE3600 Wi-Fi 7 PoE Access Point

Technical Specifications

General		
Device Interfaces	• 1 x 2.5 Gigabit Ethernet PoE LAN port • 1 x Power input connector • 1 x Reset button	
LED	• Power/ Status, Power, LAN	
Antenna	• 2 x 4 dBi @ 2.4 GHz • 2 x 4 dBi @ 5 GHz	
Wi-Fi Data Rate[1,2]	• 2.4 GHz up to 688 Mbps • 5 GHz up to 2882 Mbps	
IEEE Standard	• IEEE 802.11be/ax/ac/n/g/b/a • IEEE 802.3at PoE+	• 802.3u/ab/bz • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Maximum Output Power[3]	• 25 dBm (2.4 GHz) • 25 dBm (5 GHz)	
Functionality		
Security Protocol	• WPA/WPA2/WPA3™ Personal/Enterprise • SSID broadcast disable • MAC address access control	• Open • Enhanced Open (OWE) • Enhanced Open or Open • Internal RADIUS server
Advanced Features	• Fast roaming (802.11k/r with Nuclias Connect Controller) • Airtime fairness • Band steering	
Operation Frequencies[2]	• 2.4 - 2.483 GHz • 5.15 - 5.85 GHz	
Software		
Device Management	• Web (HTTP/HTTPS) • Nuclias Unity • Nuclias Connect • Nuclias Hyper	• Telnet/SSH • SNMP
Physical		
Power Input	802.3at or 12V/2.5A	
Max Power Consumption	14.17 W	
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	
Dimensions	186 x 186 x 37 mm	
Weight	550 g	
Certifications	CE, RCM	
Ordering Information		
DAP-E3620	Wireless BE3600 Wi-Fi 7 PoE Access Point	
Barcode / UPC	790069482274	

1. Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials, construction, and network overhead may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.
2. Please note that operating frequency ranges vary depending on the regulations of individual countries and jurisdictions. The DAP-E3620 may not support the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz frequency ranges in certain regions.
3. The maximum output power is the board limit value, the actual output power will depend on regulatory requirements.

Actual performances 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. Specifications may be subject to change without prior notice.

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