

## Highlights

### Wi-Fi 7 Dual-Band Performance

Powered by Dual-Band Wi-Fi 7 (2x2 + 2x2) technology, the DAP-E3620 AP delivers stable, efficient connectivity for everyday business use. Ideal for office and basic commercial deployments as a practical entry-level solution.

### Flexible Connectivity & Power

2.5 Gigabit Ethernet PoE port transmits data and power over one cable, simplifying installation and reducing costs for SMBs.

### Enterprise Design

Multiple SSIDs, VLANs, and advanced wireless security help provide a stable, secure, and scalable network in offices, campuses, and commercial environments.



## 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 hardware controller, and Nuclias software controller 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

### VLAN Per SSID

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

The DAP-E3620 BE3600 Wi-Fi 7 PoE 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.

# 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.

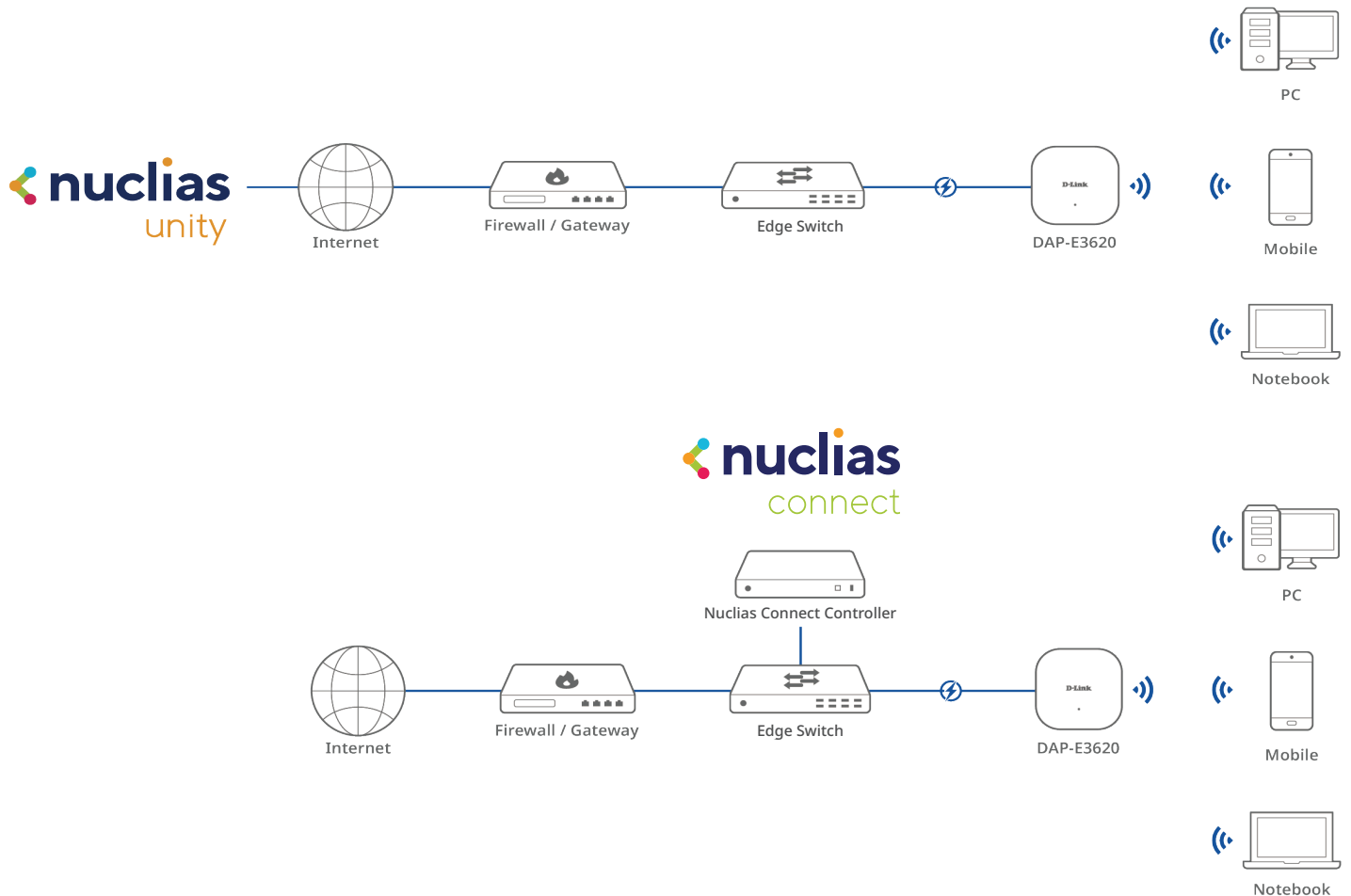
## Multiple Operational Modes

The DAP-E3620 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, as well as Nuclias Connect hardware and software controllers, 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.

## Connection Diagram



## Wireless BE3600 Wi-Fi 7 PoE Access Point

| Technical Specifications           |                                                                                                                                                            |                                                                                                                               |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| General                            |                                                                                                                                                            |                                                                                                                               |
| Device Interfaces                  | <ul style="list-style-type: none"><li>• 1 x 2.5 Gigabit Ethernet PoE LAN port</li><li>• 1 x Power input connector</li><li>• 1 x Reset button</li></ul>     |                                                                                                                               |
| LED                                | <ul style="list-style-type: none"><li>• Power / Status</li></ul>                                                                                           |                                                                                                                               |
| Antenna                            | <ul style="list-style-type: none"><li>• 2 x 4 dBi @ 2.4 GHz</li><li>• 2 x 4 dBi @ 5 GHz</li></ul>                                                          |                                                                                                                               |
| Wi-Fi Data Rate <sup>2,3</sup>     | <ul style="list-style-type: none"><li>• 2.4 GHz up to 688 Mbps</li><li>• 5 GHz up to 2882 Mbps</li></ul>                                                   |                                                                                                                               |
| IEEE Standard <sup>3</sup>         | <ul style="list-style-type: none"><li>• IEEE 802.11be/ax/ac/n/g/b/a</li><li>• IEEE 802.3at PoE+</li></ul>                                                  | <ul style="list-style-type: none"><li>• IEEE 802.3u/ab/an/bz</li><li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li></ul> |
| Maximum Output Power <sup>1</sup>  | <ul style="list-style-type: none"><li>• 24 dBm (2.4 GHz)</li><li>• 23 dBm (5 GHz)</li></ul>                                                                |                                                                                                                               |
| Functionality                      |                                                                                                                                                            |                                                                                                                               |
| Security Protocol                  | <ul style="list-style-type: none"><li>• WPA/WPA2/WPA3™ Personal/Enterprise</li><li>• SSID broadcast disable</li><li>• MAC address access control</li></ul> | <ul style="list-style-type: none"><li>• WEP 64/128-bit</li><li>• Enhanced Open</li><li>• Internal RADIUS server</li></ul>     |
| Operation Frequencies <sup>2</sup> | <ul style="list-style-type: none"><li>• 2.4 - 2.483 GHz</li><li>• 5.15 - 5.85 GHz</li></ul>                                                                |                                                                                                                               |
| Software                           |                                                                                                                                                            |                                                                                                                               |
| Device Management                  | <ul style="list-style-type: none"><li>• Web (HTTP/HTTPS)</li><li>• Nuclias Unity</li><li>• Nuclias hardware and software controller</li></ul>              | <ul style="list-style-type: none"><li>• Telnet/SSH</li><li>• SNMP</li></ul>                                                   |
| Physical                           |                                                                                                                                                            |                                                                                                                               |
| Power Input                        | 802.3at or 12V/2A                                                                                                                                          |                                                                                                                               |
| Max Power Consumption              | < 20 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. The maximum output power is the board limit value, the actual output power will depend on regulatory requirements.

2. 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.

3. 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.

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.