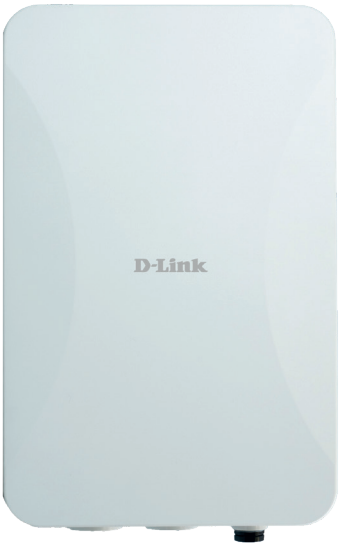
Product Highlights

Wi-Fi 7 Dual-Band Performance
Powered by Wi-Fi 7 dual-band 2×2 + 2×2, the AP delivers stable, efficient connectivity for everyday business use. Ideal for office and basic commercial deployments as a practical entry-level solution.

Outdoor-Ready Design
Designed for outdoor and semi-outdoor deployments, the AP features an IP67-rated enclosure that provides robust protection against dust, rain, and harsh weather conditions, ensuring reliable and stable operation in demanding environments.

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



DAP-E3620OU

BE3600 Wi-Fi 7 Outdoor Access Point

Key Features

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

Outdoor-Ready Hardware Design
- IP67-rated protection, dustproof, waterproof, and weather-resistant
- Ruggedised outdoor enclosure designed for reliable 24/7 operation in all weather conditions
- Supports wall mounting and pole mounting for outdoor installation

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

Central 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
- Establish complete security protection for wireless network

The DAP-E3620OU Wi-Fi 7 Dual-Band Access Point is designed to meet every day networking needs in both outdoor and general business environments, delivering reliable, stable, and secure wireless connectivity even in harsh conditions. Featuring Wi-Fi 7 dual-band technology, an IP67-rated rugged outdoor enclosure, advanced security features, and centralised management, it effectively supports wireless deployments for outdoor applications.

Wi-Fi 7 Connectivity

The DAP-E3620OU leverages core Wi-Fi 7 technologies such as Multi-Link Operation (MLO) and 4K QAM, enabling dynamic traffic allocation across multiple frequency bands to improve performance, reduce latency, and increase overall network capacity.

Durable Hardware for Outdoor Use

The DAP-E3620OU is purpose-built as an outdoor access point, featuring a ruggedised hardware design that ensures reliable operation in harsh environments. With an IP67-rated enclosure, it provides strong protection against dust, water, rain, and extreme weather conditions. The durable housing and industrial-grade components make it suitable for 24/7 outdoor operation, supporting stable wireless connectivity in outdoor commercial, campus, and public deployment scenarios.

2.5-Gigabit Ethernet Port

The DAP-E3620OU also provides fast wired connectivity, effectively reducing network latency and ensuring reliable performance for bandwidth-demanding applications. 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 for Outdoor Deployment

The DAP-E3620OU 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-E3620OU supports SSID-VLAN Mapping, allowing administrators to assign different SSIDs to specific VLAN tags. This capability effectively segregates user group access without compromising network security, ensuring traffic isolation and enhancing overall network management.

DAP-E3620OU BE3600 Wi-Fi 7 Outdoor Access Point

Advanced Security

The DAP-E3620OU delivers Advanced Security features, including the latest WPA3™ Personal and Enterprise encryption and MAC/IP Access Control Lists (ACLs). These robust security measures ensure networks with higher security requirements are well protected against unauthorised access and potential threats.

Multiple Operational Modes

The DAP-E3620OU outdoor AP 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.

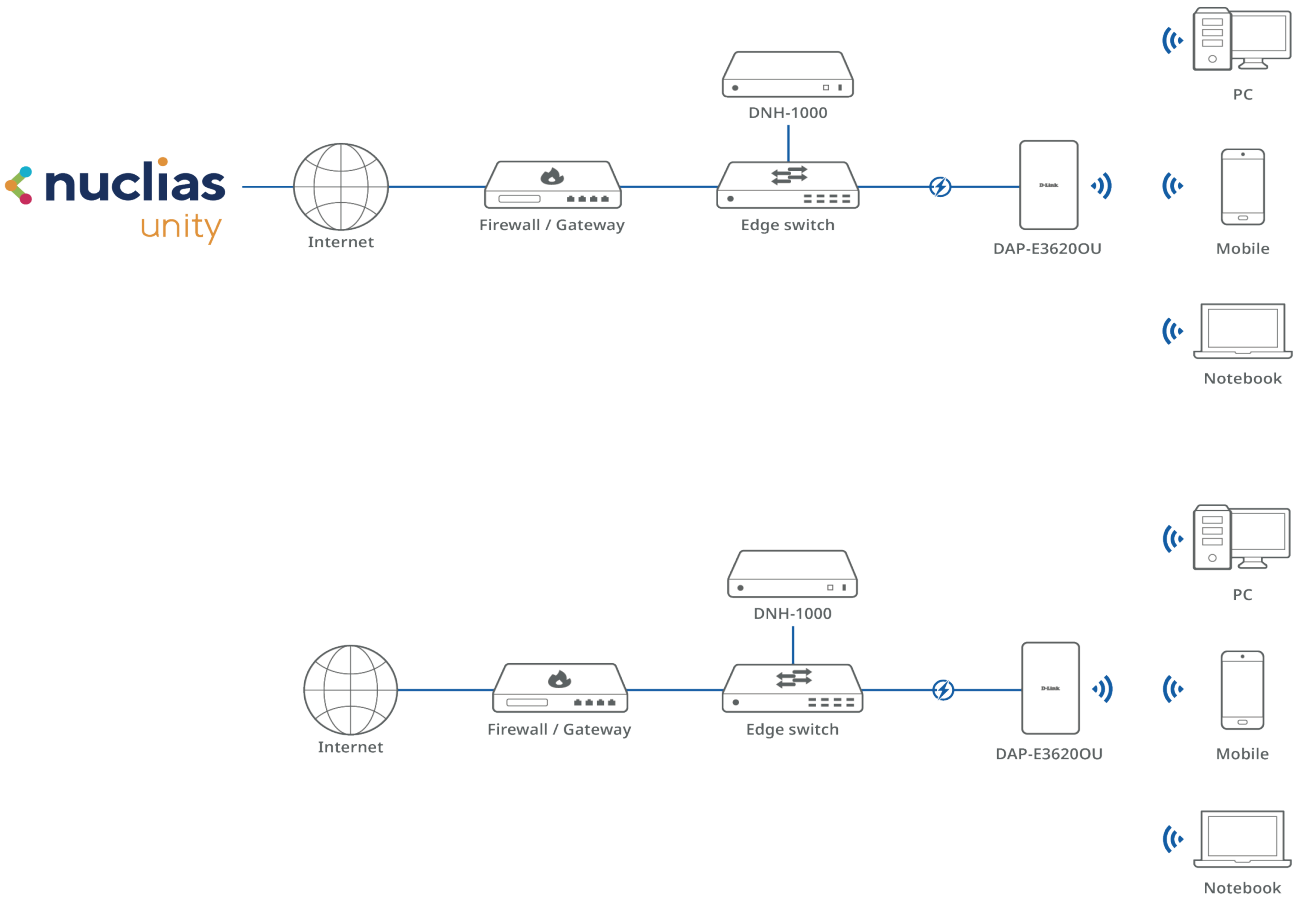
Customisable Captive Portal

The DAP-E3620OU 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.

Centralised Management

The DAP-E3620OU supports Nuclias Unity, as well as Nuclias 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



DAP-E3620OU BE3600 Wi-Fi 7 Outdoor Access Point

Specifications

General

Device Interfaces

- 1 x 2.5 Gigabit Ethernet PoE LAN port
- 1 x 1 Gigabit LAN port
- 1 x Reset button

LED

Power/Status

Antenna

- 2 x 4 dBi @ 2.4 GHz
- 2 x 4 dBi @ 5 GHz

Wi-Fi Data Rate[2,3]

- 2.4 GHz up to 688 Mbps
- 5 GHz up to 2882 Mbps

IEEE Standard[3]

- IEEE 802.11be/ax/ac/n/g/b/a
- IEEE 802.3t PoE
- IEEE 802.3u/ab/an/bz
- IEEE 802.3az Energy-Efficient Ethernet (EEE)

Maximum Output Power[1]

- 24 dBm (2.4 GHz)
- 23 dBm (5 GHz)

Functionality

Security Protocol

- WPA/WPA2/WPA3™ Personal/Enterprise
- SSID broadcast disable
- MAC address access control
- WEP 64/128-bit
- Enhanced Open
- Internal RADIUS server

Operating Frequency[2]

- 2.4 - 2.483 GHz
- 5.15 - 5.85 GHz

Software

Device Management

- Web (HTTP/HTTPS)
- Nuclias Unity
- Nuclias harware and software controller
- Telnet/SSH
- SNMP

Physical

Dimensions

304 x 181 x 88 mm

Weight

1600 g

Power Input

802.3at

Max Power Consumption

< 20W

Operating Temperature

-30 to 55 °C

Storage Temperature

-40 to 70 °C

Operating Humidity

10% to 90% non-condensing

Storage Humidity

5% to 95% non-condensing

Certifications[4]

- CE

Ordering Information

DAP-E3620OU

BE3600 Outdoor Access Point

Package Contents

- DAP-E3620OU
- Pole Mounting Clamp x 2
- Waterproof Cable Gland x 2
- Quick Start Guide

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 and 802.11ax 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-E3620OU may not support the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz frequency ranges in certain regions.
4. For the EU region, this product is compliant with CE regulations and operates within the following frequency ranges: 2.4 - 2.4835 GHz, 5.150 - 5.250 GHz, 5.250 - 5.350 GHz, and 5.470 - 5.750 GH

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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