

Product Highlights

Ultra-Fast Wi-Fi 7 Performance

Wi-Fi 7 delivers up to 7.2 Gbps dual-band performance, while the 10G port ensures high-bandwidth links for devices, servers, and storage.

Flexible Connectivity & Power

Featuring a 10G PoE, it simplifies cabling and lowers deployment costs for enterprise environments.

Designed for Commercial Environments

Ideal for F&B, Education, Hospitality, and Enterprise environments, supporting multiple SSIDs, VLANs, and advanced security features.



DAP-E7240

BE7200 Ceiling Mount Access Point

Key Features

Wi-Fi 7 Technology

- Wi-Fi 7 4x4+4x4 Dual-Band BE7200 solution
- Multi-Link Operation (MLO) improves transmission efficiency and connection stability
- 4096-QAM modulation enhances data throughput and spectrum efficiency

Customizable Captive Portal

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

Central Management

- Supports Nuias Unity, Nuias hardware controller, and Nuias software controller for centralized management, monitoring, and maintenance
- Provides flexible deployment options with centralized 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

VLAN PerSSID

- Each SSID can have different VLAN tag
- One EAP can serve different group for Users and access control for each group

The DAP-E7240 BE7200 Ceiling Mount Access Point is designed for everyday networking needs in general business and commercial environments, delivering reliable, stable, and secure wireless connectivity. With Wi-Fi 7 dual-band technology and a 4x4 spatial stream design, advanced security features, and centralized management, it effectively meets the wireless requirements of offices and commercial spaces.

Wi-Fi 7 Connectivity

The DAP-E7240 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.

10-Gigabit Ethernet Port

The DAP-E7240 also delivers ultra-fast wired connectivity, significantly reducing network latency and ensuring high throughput for bandwidth-intensive applications. With support for 10 GbE speeds, the network infrastructure is future-ready, providing the scalability and performance needed to meet growing demands and support upcoming upgrades without bottlenecks.

Powered by PoE

The DAP-E7240 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.

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SSID-VLAN Mapping

The DAP-E7240 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.

Customizable Captive Portal

The DAP-E7240 offers a customizable Captive Portal, enabling network administrators to create personalized login pages. This not only enhances network security through proper user authentication but also strengthens user engagement with tailored branding and messaging.

Advanced Security

The DAP-E7240 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 unauthorized access and potential threats.

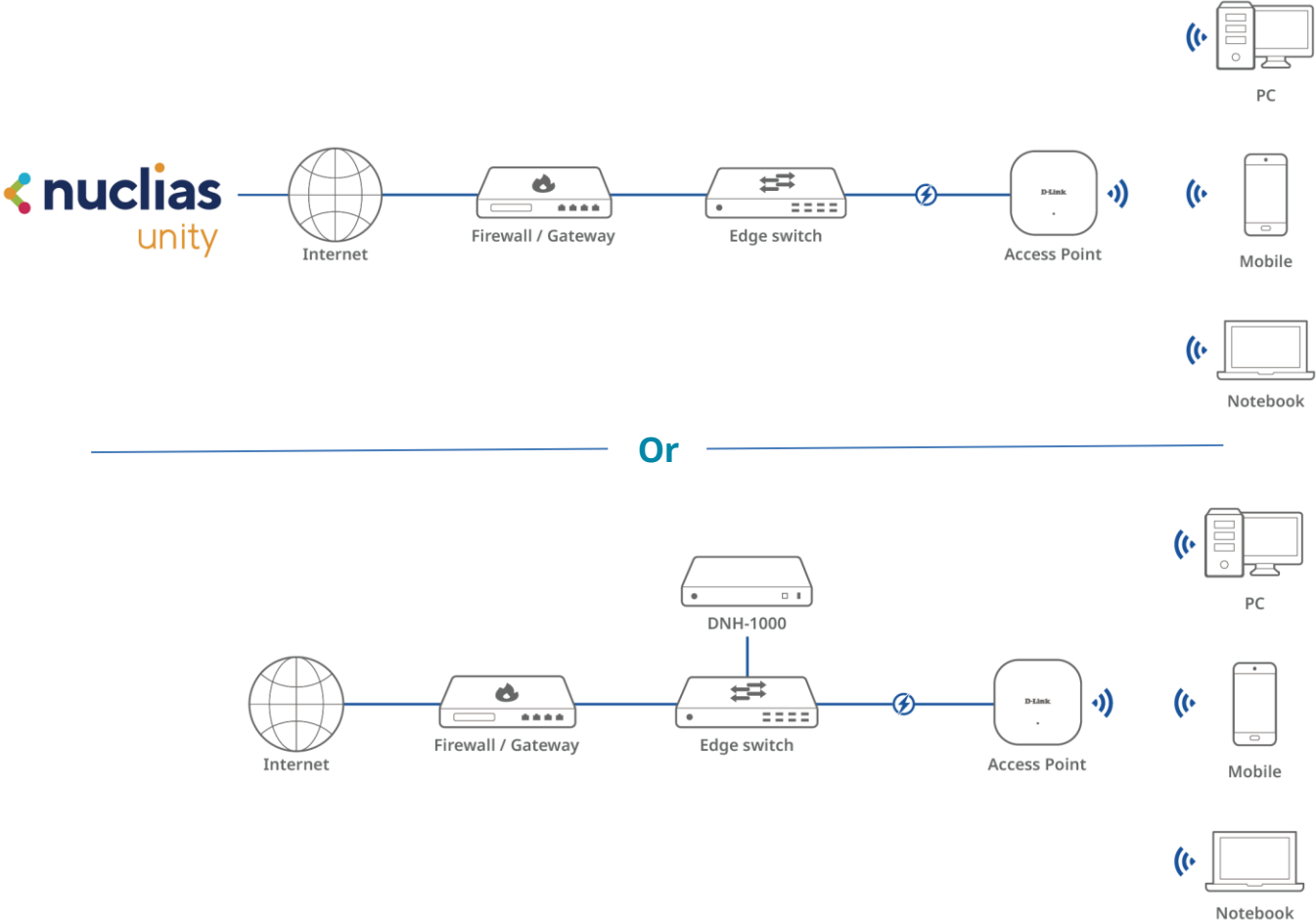
Multiple Operational Modes

The DAP-E7240 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.

Centralized Management

The DAP-E7240 supports Nuclias Unity, as well as Nuclias hardware and software controllers, enabling centralized 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 centralized cloud or on-premises management, making network administration simpler and allowing seamless expansion as the network grows. Centralized management ensures optimal performance and security while saving time and improving efficiency.

Connection Diagram



DAP-E7240 BE7200 Ceiling Mount Access Point

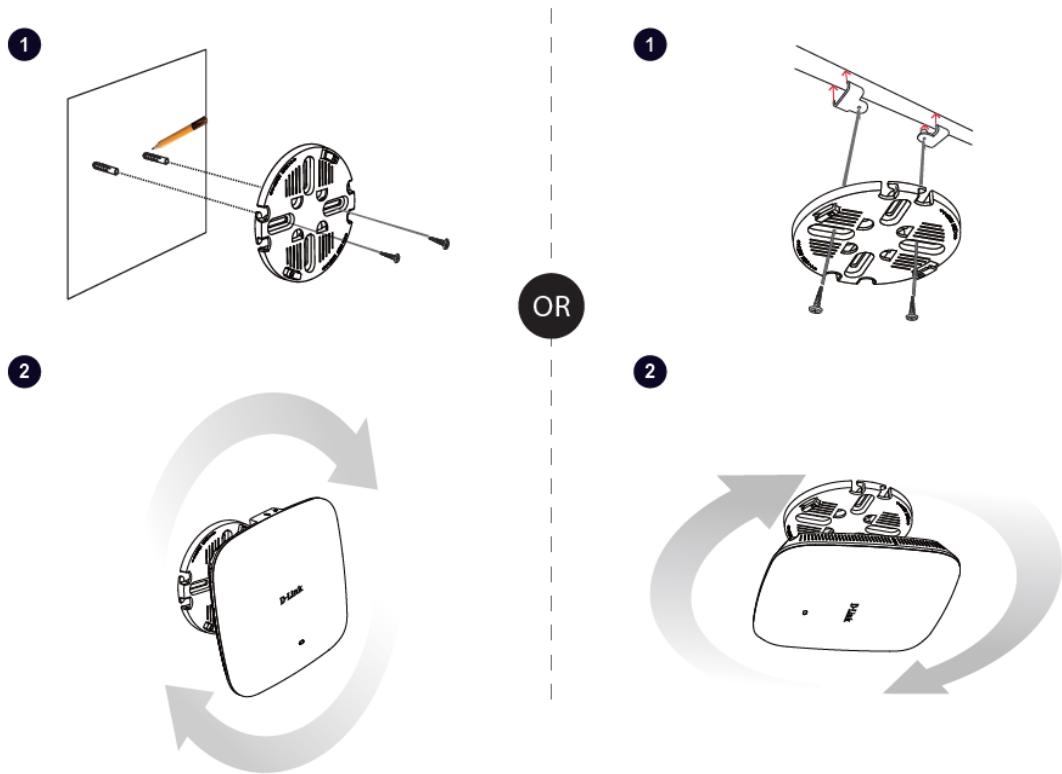
Specifications

General
Device Interfaces
1 x 10 Gigabit Ethernet PoE LAN port 1 x RJ45 Console port 1 x Reset button 1 x Power input connector
LED
Power/Status
Antenna
4 x 2.7 dBi @ 2.4GHz 4 x 3.9 dBi @ 5GH
Wi-Fi Data Rate ^{2,3}
2.4 GHz up to 1376 Mbps 5 GHz up to 5764 Mbps
IEEE Standard ³
- IEEE 802.11be/ax/ac/n/g/b/a - IEEE 802.3at PoE - IEEE 802.3u/ab/an/bz - IEEE 802.3az Energy-Efficient Ethernet (EEE)
Maximum Output Power ¹
26 dBm (2.4GHz) 26 dBm (5GHz)
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 hardware and software controller - Telnet/SSH - SNMP
Physical
Dimensions
223.04X223.04x44.5 mm
Weight
1171.4 g

Power Input ⁵
802.3at or 12V/2.5A
Max Power Consumption
25.2W
Operating Temperature
1167g
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 ⁴
- CE - FCC - LVD
Ordering Information
DAP-E7240
BE7240 Ceiling Mount Access Point
Package Contents
- DAP-E7240 - Ceiling Brackets - Mounting Plate - Quick Start Guide

DAP-E7240 BE7200 Ceiling Mount Access Point

Installation and Mounting



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 802.11be 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-E7240 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 GHz