

Product Highlights

Next-Generation Connectivity

Features next-generation 802.11ax Wi-Fi 6 technology to deliver a reliable wireless connection at unparalleled combined speeds

Unparalleled Performance

Experience smooth and stable performance with a powerful CPU, band steering, and Airtime Fairness to ensure that every client has equal access to airtime

Optimized Wireless Experience

MU-MIMO, smart antennas, and tri-band technology provide optimal wireless experience in high-density environments



DWL-X8630AP

AX3600 Wi-Fi 6 Dual-Band Unified Access Point

Features

Next-Generation Wi-Fi

- Latest 802.11ax Wi-Fi 6 wireless standard with increased connection speeds
- Up to 3.6 Gbps combined throughput²
- 4 x 4 MU-MIMO with 4 spatial streams
- Better performance in highly congested areas
- Optimised encoding, packing more data into the same radio waves

Ideal for Businesses

- Multiple virtual access points can be created from a single access point
- Flexible QoS with WMM
- Power over Ethernet enables installation in hard to reach locations
- UL2043-certified chassis

High-Performance Connectivity

- Supports 160 MHz channel for doubled capacity
- Band steering for efficient traffic management
- Airtime Fairness
- 802.11k Fast Roaming¹
- Supports Link Aggregation

Trusted Wireless Security Features

- 192-bit Enterprise and 128-bit Personal encryption (802.11i)
- MAC address filtering
- Rogue AP detection

The DWL-X8630AP AX3600 Wi-Fi 6 Dual-Band Unified Access Point brings next-generation Wi-Fi technology to small and midsize businesses as well as larger enterprises. By combining high-speed 802.11ax Wi-Fi with dual-band technology and 2.5G Ethernet, it provides lightning-fast access to bandwidth-intensive applications such as data, voice and video streaming, even in highly congested environments. Not only can it operate in standalone mode, the DWL-X8630AP can also be centrally managed by D-Link Wireless Controllers. Highly manageable and capable of blazing speeds, it integrates seamlessly into any existing network infrastructure and can be easily scaled to meet future demands.

The DWL-X8630AP leverages the full potential of Wi-Fi 6 (802.11ax) by using a 4 x 4 antenna implementation, allowing high combined data rates of 3,600 Mbps² (2,402 Mbps on 5 GHz and 1,147 Mbps on 2.4 GHz) over the air. OFDMA and uplink/downlink MU-MIMO boosts channel capacity and efficiency, enabling more clients to access the network. 2.5G Ethernet port and Link Aggregation support maximise the overall throughput of the access point.



Next Business Day Service

Your network is the backbone of your business. Keeping it running is essential, even if the unexpected happens. D-Link Assist is a rapid-response technical support service that replaces faulty equipment quickly and efficiently. Maximising your uptime and giving you the confidence that instant support is only a phone call away.

All D-Link products with 5-year or Limited Lifetime warranty come with complimentary Next Business Day Service. D-Link will send out a replacement product to you on the next business day after acceptance of a product failure. On receipt of the replacement product, you simply arrange the return of the defective product to us. Any products with a 2-year/3-year warranty can also benefit from the Next Business Day advance replacement service when the optional 3-year warranty extension has been purchased.

Find out more at eu.dlink.com/services

AX3600 Wi-Fi 6 Dual-Band Unified Access Point

Technical Specifications

General

Wireless Interface	• IEEE 802.11a/b/g/n/ac/ax (Wi-Fi 6)
MIMO	• 4 x 4
Data Rate ²	• 2.4 GHz - Up to 1147 Mbps (1024QAM) • 5 GHz - Up to 2402 Mbps (1024QAM)
Antenna	• Internal omni-directional antennas • 2.4 GHz: 3 dBi • 5 GHz: 4 dBi
Operating Frequency	• 2400 to 2483.5 MHz • 5150 to 5850 MHz
Operating Channels	• 1 to 13 channels for 2.4 GHz band (per country code) • 36 to 165 channels for 5 GHz band (per country code)
Ethernet Interface	• 1 x 10/100/1000 BASE-T LAN port • 1 x 10/100/1000/2500 BASE-T LAN port
Console Port	• RJ-45

Functionality

Advanced Features	• Auto Channel selection • 802.1p Quality of Service (QoS) • Wireless Multimedia (WMM) • Wireless Distribution System (WDS) • Band steering • Airtime Fairness • Link Aggregation³ • IEEE 802.11k Fast Roaming
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Management

Operating Mode	• Standalone mode • Managed mode - Centrally managed by D-Link Wireless Controller
Management Interfaces	• Web-based User Interface (Web UI) • Telnet/SSH • Command Line Interface (CLI) • SNMP v1/v2c/v3

Security

SSID Security	• Up to 32 SSIDs, 16 per radio • 802.1Q VLAN • Station Isolation
Wireless Security	• Latest 128-bit Personal wireless encryption • Latest 192-bit Enterprise wireless encryption • SAE • OWE (Enhanced Open) • AES • TKIP
Detection & Prevention	• Rogue and Valid AP Classification
Authentication	• MAC Address Filtering



AX3600 Wi-Fi 6 Dual-Band Unified Access Point

Physical	
Dimensions	• 220 x 47 mm (8.66 x 1.97 in)
Weight	• 0.868 kg (1.91 lbs) without bracket • 0.889 kg (1.96 lbs) with bracket
Power Supply	• External Power Adapter: 12 VDC 2.5A • Supports 802.3at PoE PD on LAN 1 Port
Power over Ethernet	• 802.3at
Maximum Power Consumption	• 19.98 W
Enclosure	• Bottom cover - plastic • Top cover - plastic • UL2043 certified chassis
Temperature	• Operating: 0 to 40 °C (32 to 104 °F) • Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 95% non-condensing
MTBF	• 485,222 hours
Certifications	• CE • EN55032, EN55024, EN61000-3-2, EN61000-3-3, EN60601- 1-2 (Medical electrical equipment), EN301489-1, EN301489-17, EN300328, EN301893 • FCC • IC • cUL+UL (UL/CSA 62368-1 + UL 60950-22) • LVD (IEC/EN 62368-1) • CB (IEC/EN 60950-1 + 62368-1) • RCM • NCC • BSMI (CNS 14336-1) • UL2043

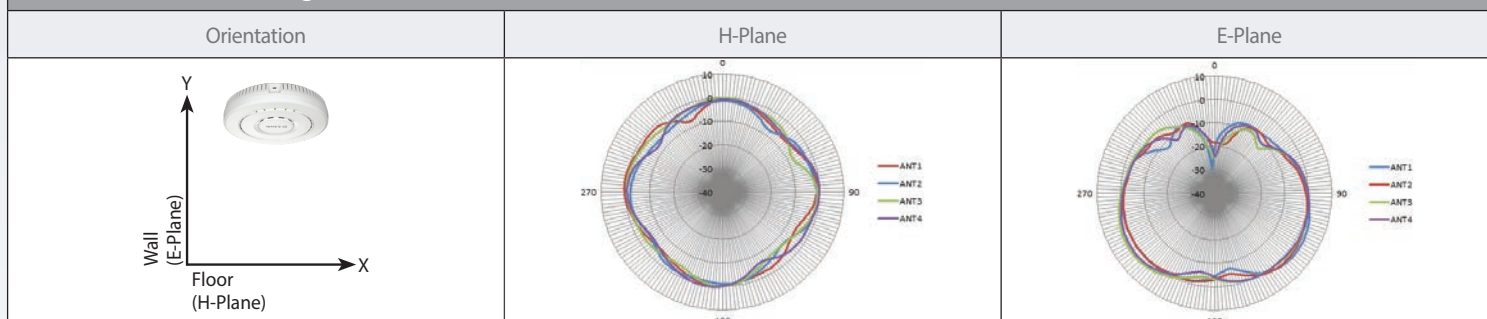
¹ This feature is available when Unified AP is used in conjunction with D-Link's line of Unified Wireless Controllers.

² Maximum wireless signal rate derived from IEEE standard 802.11ax specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors may adversely affect wireless signal range.

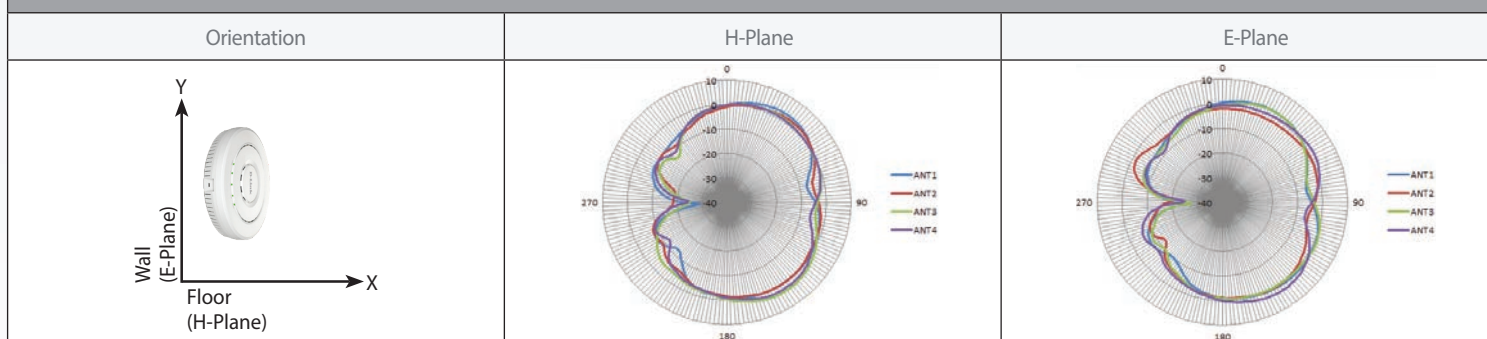
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Radio Patterns: DWL-X8630AP

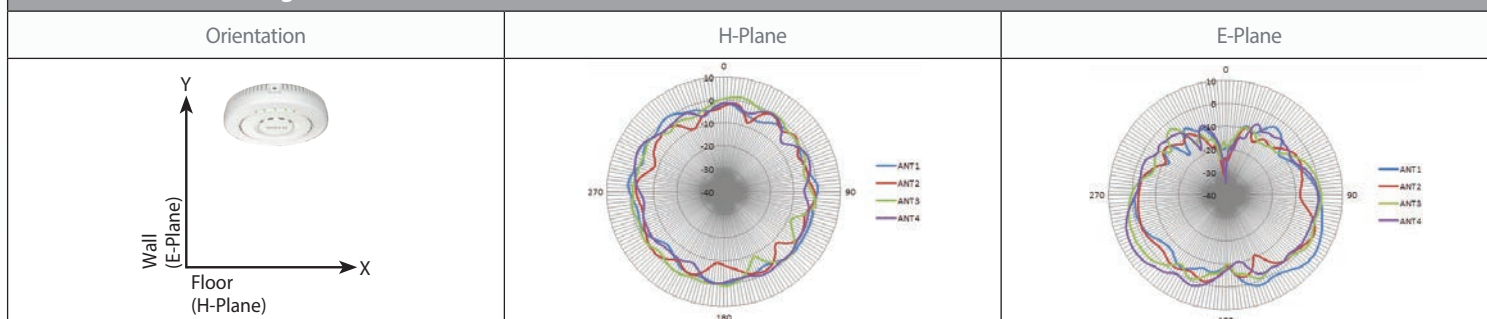
2.4 GHz Antenna Ceiling Mounted



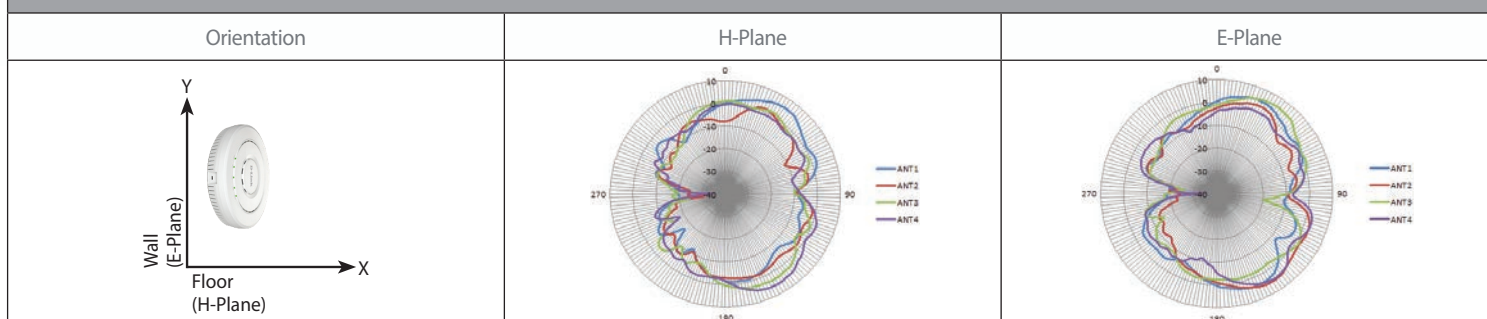
2.4 GHz Antenna Wall Mounted



5 GHz Antenna Ceiling Mounted



5 GHz Antenna Wall Mounted



For more information: www.dlink.com

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