U6 IW DATASHEET

Overview

The UniFi U6 In-Wall is a dual-band WiFi 6 access point designed for clean, integrated wall-mount installations. It supports six spatial streams delivering speeds up to 4.8 Gbps on 5 GHz and 573.5 Mbps on 2.4 GHz, providing coverage for up to 115 m² and supporting over 300 clients. The device features a built-in four-port Gigabit Ethernet switch with one PoE output port, enabling easy wired device connections and power delivery. Powered by PoE/PoE+, it offers advanced management via UniFi Network software and a sleek form factor perfect for residential and commercial environments requiring robust wireless performance and clean installation.

QUICK SPEC

FIGURE 1: APPEARANCE OF U6 IW

TABLE 1: QUICK SPECS OF U6 IW

SKU	U6 IW
Description	U6-IW is a dual-band WiFi 6 (802.11ax) access point
Dimensions	139.7 x 96 x 31.2 mm (5.5 x 3.8 x 1.3")
Antenna	5 GHz - 5.9 dBi 2.4 GHz - 5 dBi

Product Details

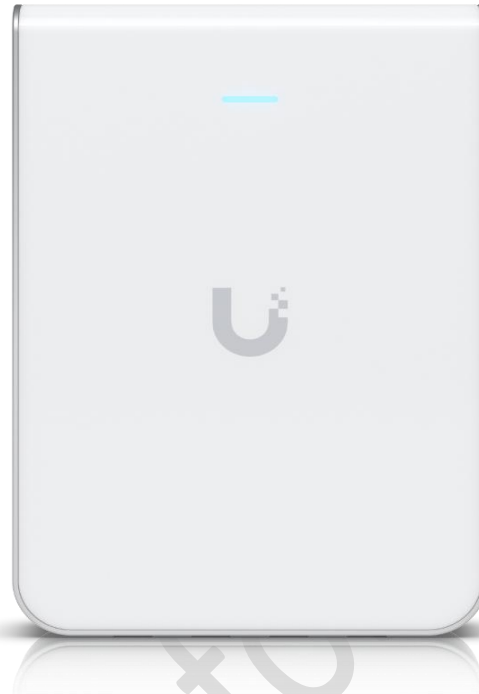## FIGURE 2: FRONT PANEL OF U6 IW

FIGURE 3: BACK PANEL OF U6 IW

U6 IW provides these features

1.WiFi 6 (802.11ax) Dual-Band Technology

This AP provides high-efficiency wireless connectivity with support for both 5 GHz (4x4 MU-MIMO) and 2.4 GHz (2x2 MU-MIMO) bands, maximizing throughput and performance in dense client environments.

2.Built-in Four-Port Gigabit Ethernet Switch

This includes four GbE ports with one supporting PoE output, enabling wired device connectivity and power delivery in a compact in-wall form factor, ideal for reducing clutter.

3.High Throughput Speeds

It supports maximum data rates up to 4.8 Gbps on the 5 GHz band and 573.5 Mbps on the 2.4 GHz band, ensuring fast and reliable wireless performance for bandwidth-intensive applications.

4.Advanced Wireless Features

This AP incorporates band steering, fast roaming (802.11r), radio resource management (802.11k), guest network isolation, captive portals, and dynamic VLAN assignment for sophisticated network control and user experience.

5.Power over Ethernet (PoE/PoE+) Support

It enables flexible power delivery and simplifies installation by combining network and power cables; PoE+ power is required to enable PoE output functionality.

6.Compact Wall-Mount Design

It has sleek, low-profile design with included mounting hardware allows discreet integration into home or office spaces without compromising network coverage.

7.High Client Capacity and Coverage

This AP supports over 300 clients with coverage up to 115 square meters, making it suitable for high-density environments like offices and hospitality venues.

8.Energy Efficient Operation

It consumes a maximum of 13W (excluding PoE output), offering a balance of power efficiency and performance for sustainable network deployments.

SPECIFICATION

U6-IW Technical Specification	
Model	U6-IW
Dimensions	139.7 x 96 x 31.2 mm (5.5 x 3.8 x 1.3")
WiFi Standard	WiFi 6
Spatial Streams	6
Coverage Area	115 m² (1,250 ft²)
Max. Client Count	300+
Uplink	GbE
Mounting	Wall (Mount Included)
Power Method	PoE PoE+ (Required for PoE output)
MIMO	5 GHz - 4 x 4 (DL/UL MU-MIMO) 2.4 GHz - 2 x 2 (DL/UL MU-MIMO)
Max. Data Rate	5 GHz - 4.8 Gbps (BW160) 2.4 GHz - 573.5 Mbps (BW40)
Antenna Gain	5 GHz - 5.9 dBi 2.4 GHz - 5 dBi
Max. TX Power	5 GHz - 26 dBm 2.4 GHz - 22 dBm
Max. BSSIDs	8 per Radio
Max. Power Consumption	13W (Excluding PoE output)
Networking Interface	(1) Data-in: GbE RJ45 port (4) Data-out: GbE RJ45 ports
Weight	460 g (1 lb)
Management	Ethernet Bluetooth
Built-In Switch	(4) GbE ports with (1) PoE output
Enclosure Material	Plastic, aluminum
Mount Material	Aluminum
LEDs	White/Blue
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160 (MHz)
Ambient Operating Temperature	-30 to 60° C (-22 to 140° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	Yes
Certifications	CE, FCC, IC, Anatel, SRRC

Why Insight Infosys.com

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Clients**

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With Global Leading
Tech Vendors**

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