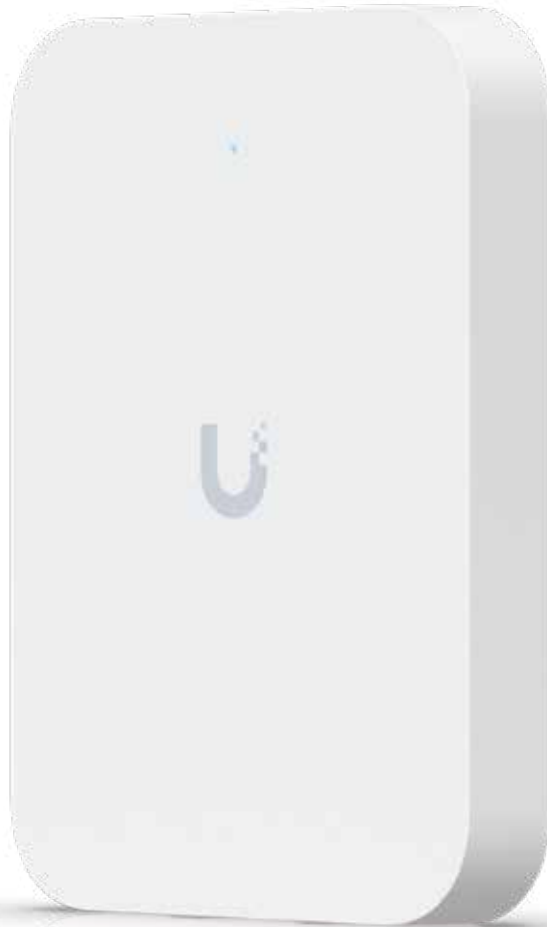


## U7 In-Wall

SKU: UB-UAP-U7-IW



The Ubiquiti U7-IW is a compact in-wall Wi-Fi 7 access point designed to deliver high-performance wireless connectivity while seamlessly integrating into any room. It supports dual-band Wi-Fi 7 (2.4 GHz and 5 GHz) with speeds up to 5.3 Gbps, utilizing 2x2 MU-MIMO and OFDMA for efficient multi-device handling. The U7-IW features three Ethernet ports: a 2.5 Gbps PoE input (802.3af) for power and uplink, a 2.5 Gbps PoE output for powering additional devices, and a standard 2.5 Gbps data port for wired connections. Its in-wall design includes advanced Wi-Fi 7 features like 4K-QAM, 320 MHz channel bandwidth, and multi-link operation (MLO) for enhanced performance and reliability. Perfect for modern homes and offices, the U7-IW combines high-speed wireless and wired connectivity in a sleek, space-saving form factor.

## U7 In-Wall

SKU: UB-UAP-U7-IW

### Mechanical

Dimensions	137 x 98.7 x 30.2 mm (5.4 x 3.9 x 1.2")
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	115 m <sup>2</sup> (1,250 ft <sup>2</sup> )
Max. Client Count	200+
Uplink	2.5 GbE
Mounting	Wall (Metal Wall Mount Included)
Power Method	PoE PoE+ (Required for PoE output)

### MIMO

5 GHz	2 x 2 (DL/UL MU-MIMO)
2.4 GHz	2 x 2 (DL/UL MU-MIMO)

### Max. Data Rate

5 GHz	4.3 Gbps (BW240)
2.4 GHz	688 Mbps (BW40)

### Antenna Gain

5 GHz	8 dBi
2.4 GHz	4 dBi

### Max. TX Power

5 GHz	24 dBm
2.4 GHz	23 dBm

### Max. BSSIDs

8 per Radio

### Supported Data Rates

802.11be (WiFi 7)	7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 1.7Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)

## U7 In-Wall

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### Features

Wireless Meshing	✓
Band Steering	✓
802.11v BSS Transition Management	✓
802.11r Fast Roaming	✓
802.11k Radio Resource Management (RRM)	✓
Advanced Radio Management	✓
Passpoint (Hotspot 2.0)	✓
Captive Hotspot Portal	
Custom Branding Landing Page	✓
Voucher Authentication	✓
Payment-Based Authentication	✓
External Portal Server Support	✓
Password Authentication	✓
Guest Network Isolation	✓
Private Pre-Shared Key (PPSK)	✓
WiFi Speed Limiting	✓
Client Device Isolation	✓
WiFi Schedules	✓
RADIUS over TLS (RadSec)	✓
Dynamic RADIUS-assigned VLAN	✓

### Software

Application Requirements

UniFi Network

UniFi OS

Version 9.0.114 and later

iOS™ version 10.20.2 and later

Android™ version 10.21.7 and later

## U7 In-Wall

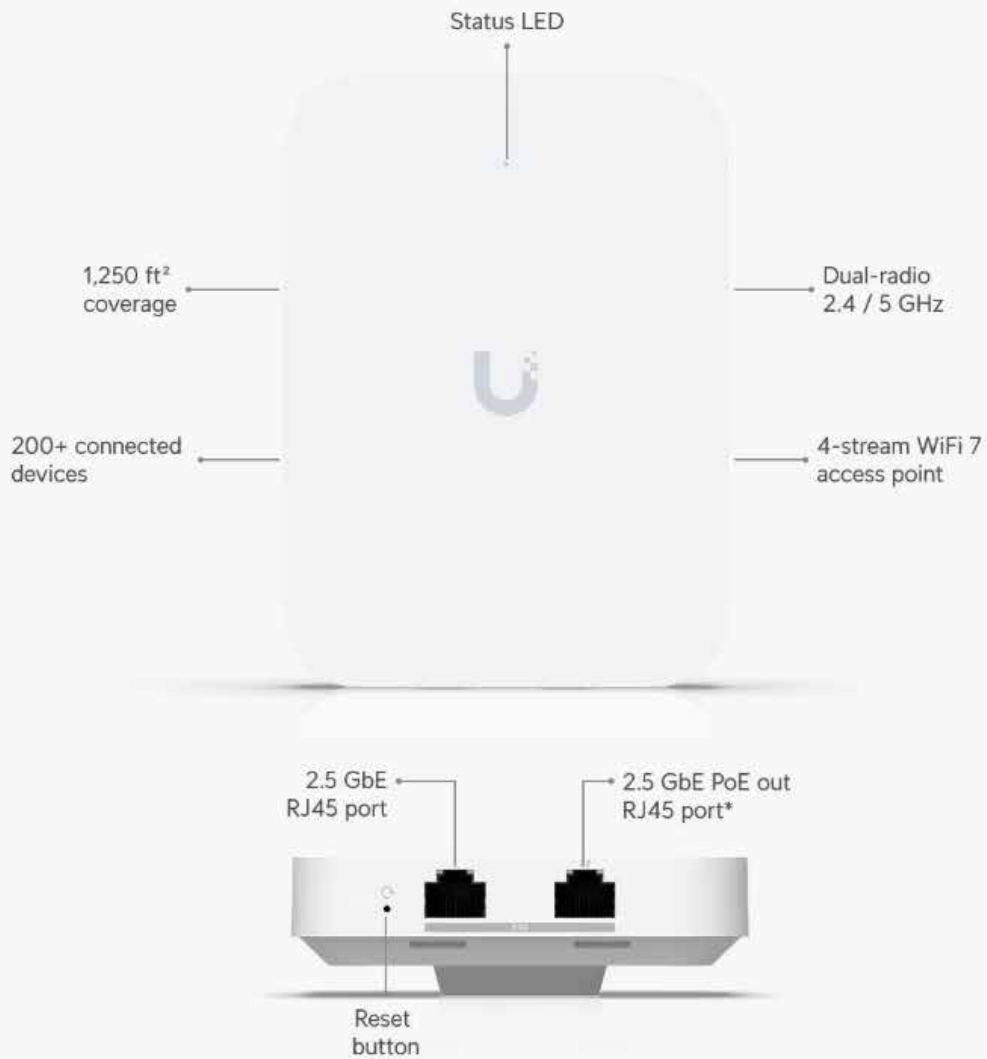
SKU: UB-UAP-U7-IW

### Hardware

Max. Power Consumption	13W (Excluding PoE output)
Supported Voltage Range	42.5—57V DC
Networking Interface	(3) 2.5 GbE RJ45 ports
Weight	400 g (14.1 oz)
Management	Ethernet
Built-In Switch	(1) PoE+ input and (1) PoE output
Enclosure Material	Polycarbonate, aluminum alloy
Mount Material	Aluminum alloy
LEDs	
System	White/Blue
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240 (MHz)
Certifications	CE, FCC, IC
Ambient Operating Temperature	-30 to 40° C (-22 to 104° F)
Ambient Operating Humidity	5 to 95% noncondensing

## U7 In-Wall

SKU: UB-UAP-U7-IW



\*PoE+ input required for the single-port PoE output