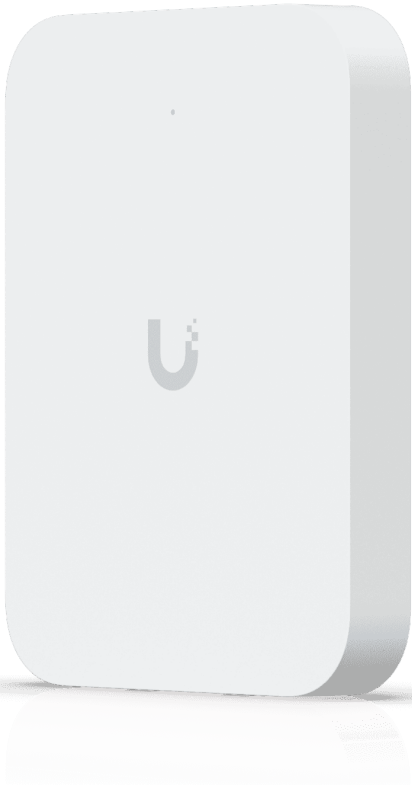




Wi-Fi / Wall

U7 In-Wall



Overview

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 ² (1,250 ft ²)
Max. Client Count	200+
Uplink	2.5 GbE
Mounting	Wall (Metal Wall Mount Included)
Power Method	PoE PoE+ (Required for PoE output)

Performance

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)
802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)

Features

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

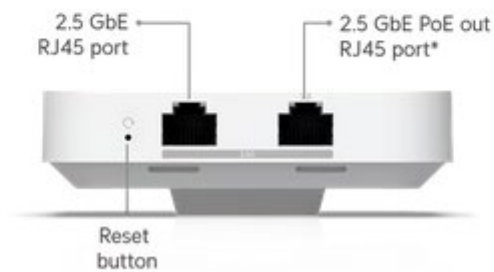
Hardware

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

Software

Application Requirements

└ UniFi Network	Version 9.0.114 and later
└ UniFi OS	iOS™ version 10.20.2 and later Android™ version 10.21.7 and later



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

