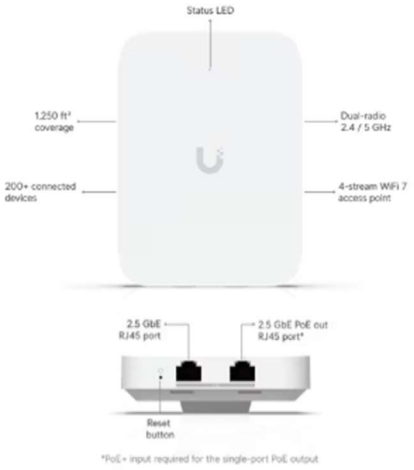
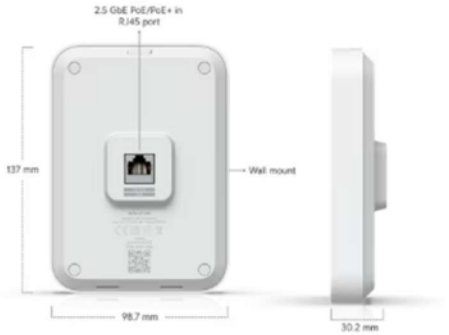
U7 In-Wall

U7-IW



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 m² (1,250 ft²)
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 1.7 Gbps (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	✓
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	✓

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
NDAA Compliant	✓
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