



U7 In-Wall

Specifications:

Dimensions	137 x 98.7 x 30.2 mm
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	115 m 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

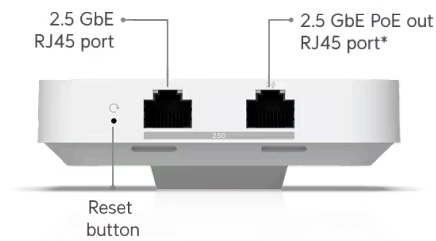
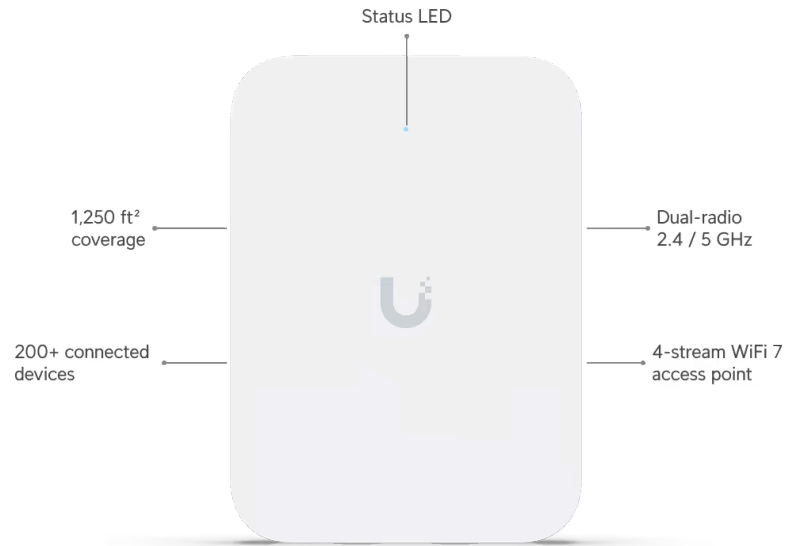


Datasheet

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	400g
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°C to 40°C
Ambient Operating Humidity	5 to 95% non condensing
Software	
Application Requirements	UniFi Network Version 9.0.114 and later iOS™ version 10.20.2 and later Android™ version 10.21.7 and later



Datasheet



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

