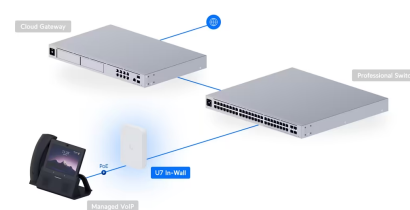
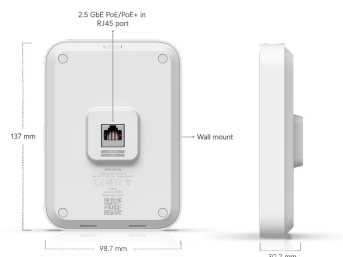
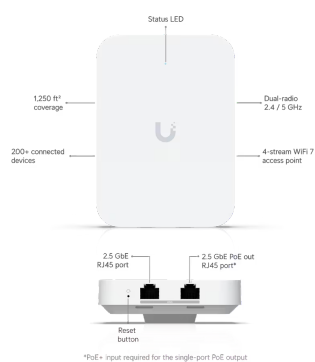


U7 In-Wall



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)
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2.4 GHz	2 x 2 (DL/UL MU-MIMO)
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Max. Data Rate

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

5 GHz	8 dBi
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2.4 GHz	4 dBi
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Max. TX Power

5 GHz	24 dBm
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2.4 GHz	23 dBm
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Max. BSSIDs	8 per Radio
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Supported Data Rates

802.11be (WiFi 7)	7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)
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802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
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802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
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802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
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^ Features

Wireless Meshing	✓
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Band Steering	✓
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802.11v BSS Transition Management	✓
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802.11r Fast Roaming	✓
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802.11k Radio Resource Management (RRM)	✓
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Advanced Radio Management	✓
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Passpoint (Hotspot 2.0)	✓
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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)
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Ambient Operating Humidity	5 to 95% noncondensing
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^ **Software**

Application Requirements

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