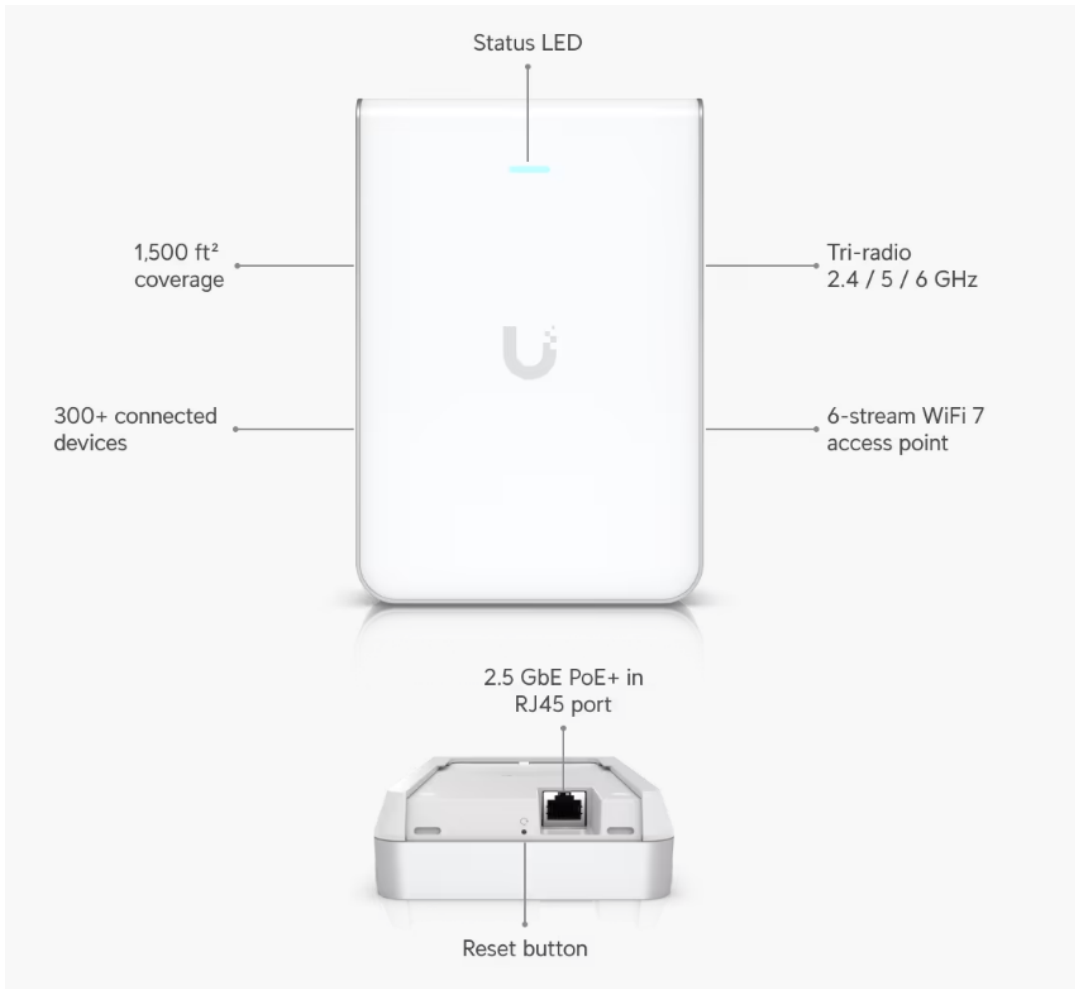


Ubiquiti UniFi U7 Pro Wall – Data Sheet



Overview

Dimensions: 150 x 103 x 36 mm (5.9 x 4.1 x 1.4")

WiFi Standard: WiFi 7

Spatial Streams: 6

Coverage Area: 140 m² (1,500 ft²)

Max. Client Count: 300+

Uplink: 2.5 GbE

Mounting: Wall (Mount Included)

Power Method: PoE+

Performance

MIMO: 6 GHz: 2x2 (DL/UL MU-MIMO)

5 GHz: 2x2 (DL/UL MU-MIMO)

2.4 GHz: 2x2 (DL/UL MU-MIMO)

Max. Data Rate: 6 GHz: 5.8 Gbps (BW320)

5 GHz: 4.3 Gbps (BW240)

2.4 GHz: 688 Mbps (BW40)

Antenna Gain: 6 GHz: 6 dBi

5 GHz: 5 dBi

2.4 GHz: 4 dBi

Max. TX Power: 6 GHz: 23 dBm

5 GHz: 26 dBm

2.4 GHz: 22 dBm

Max. BSSIDs: 8 per Radio

Supported Data Rates: 802.11be (WiFi 7): 7.3 Mbps – 5.8 Gbps (MCS0–MCS13
NSS1/2, EHT 20/40/80/160/240/320)

802.11ax (WiFi 6/6E): 7.3 Mbps – 2.4 Gbps (MCS0–MCS11 NSS1/2, HE 20/40/80/160)

802.11ac (WiFi 5): 6.5 Mbps – 1.7 Gbps (MCS0–MCS9 NSS1/2, VHT 20/40/80/160)

802.11n: 6.5 Mbps – 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: 22W

Supported Voltage Range: 44–57V DC

Networking Interface: (1) 1/2.5 GbE RJ45 port

Weight: 580 g (1.3 lb)

Management: Ethernet

Enclosure Material: Polycarbonate, aluminum

Mount Material: Aluminum

LEDs: System: White/Blue

Channel Bandwidth: HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240/320 (MHz)

NDAA Compliant: Yes

Certifications: CE, FCC, IC, Anatel

Operating Frequency: US/CA: 2400–2472 MHz; U-NII-1: 5150–5250 MHz; U-NII-2A: 5250–5350 MHz; U-NII-2C: 5470–5725 MHz; U-NII-3: 5725–5850 MHz; U-NII-5–8: 5925–7125 MHz

Worldwide: 2400–2483.5 MHz; 5150–5725 MHz; 5925–7125 MHz

Ambient Operating Temperature: -30 to 60°C (-22 to 140°F)

Ambient Operating Humidity: 5 to 95% noncondensing

Software

Application Requirements: UniFi Network (Version 8.1.113 and later)