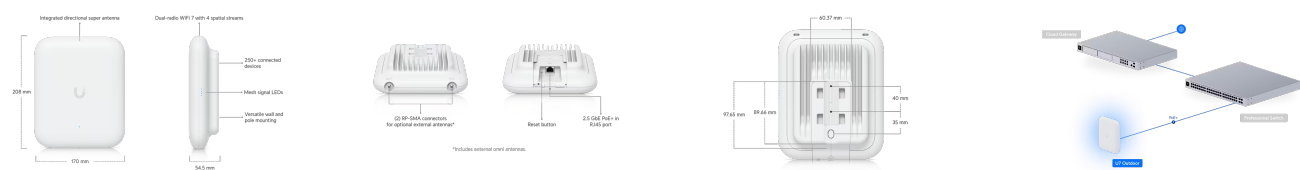


U7 Outdoor



Overview

Dimensions	170 x 208 x 54.5 mm (6.7 x 8.2 x 2.1")
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	465 m ² (5,000 ft ²)
Max. Client Count	250+
Uplink	2.5 GbE
Mounting	Wall, Pole (Mounts Included)
Weatherproofing	PX6
Power Method	PoE+

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

Directional internal: 12.5 dBi
External omni: 4 dBi

2.4 GHz

Directional internal: 8 dBi
External omni: 3 dBi

Max. TX Power

5 GHz

26 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	19W
Supported Voltage Range	42.5—57V DC
Networking Interface	(1) 1/2.5 GbE RJ45 port
Weight	1.2 kg (2.6 lb)
Wind Loading	74.6 N at 200 km/h (16.8 lbf at 125 mph)
Pole Mount Diameter	1–2.36" (25–60 mm)
Antennas	(1) Directional internal antenna (2) External omni antennas (2) RP-SMA connectors for external antenna
Antenna beamwidth	
5 GHz	45°
2.4 GHz	90°
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Polycarbonate, SGCC steel
LEDs	
System	(1) Power: White/Blue (1) System: White/Blue (4) Mesh Signal: 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 60° C (-22 to 140° F)

Ambient Operating Humidity 5 to 95% noncondensing

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

Worldwide:
2400 - 2483.5 MHz
5150 - 5725 MHz

