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Search UniFi products

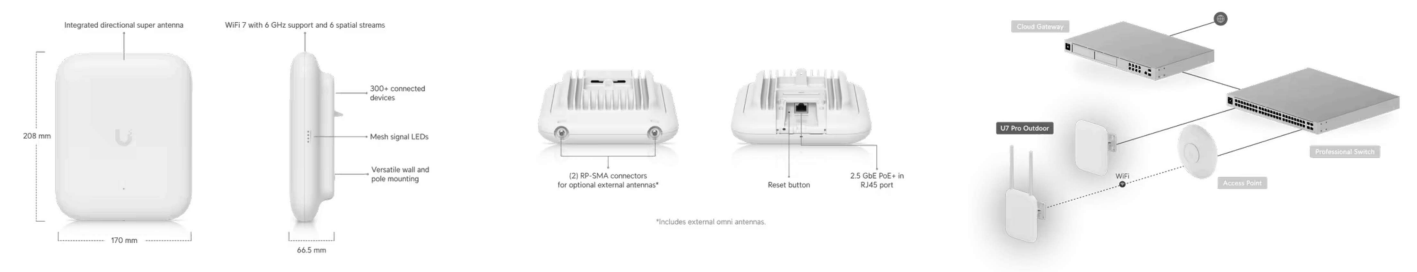
Outdoor > U7 Pro Outdoor

Datasheet

In The Box

Marketing Images

Installation Guide



^ Overview

	Without mount: 170 x 208 x 66.5 mm (6.7 x 8.2 x 2.6")
Dimensions	With mount: 170 x 208 x 121.8 mm (6.7 x 8.2 x 4.8")
WiFi Standard	WiFi 7
Spatial Streams	6
Coverage Area	465 m ² (5,000 ft ²)
Max. Client Count	300+
Uplink	2.5 GbE
Mounting	Wall, Pole (Mounts Included)
Weatherproofing	IPX6 IP67 (With cable-gland door kit)

Power Method

PoE+

^ **Performance**

MIMO

6 GHz

2 x 2 (DL/UL MU-MIMO)

5 GHz

2 x 2 (DL/UL MU-MIMO)

2.4 GHz

2 x 2 (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

Directional internal: 10 dBi

5 GHz

Directional internal: 11 dBi
External omni: 8 dBi

2.4 GHz

Directional internal: 8 dBi
External omni: 6 dBi

Max. TX Power

6 GHz

26 dBm

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 8.6 Gbps (MCS0-MCS13 NSS1/2/3/4, EHT
20/40/80/160/240/320)

802.11ax (WiFi 6/6E)

7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)

802.11ax (WiFi 6)

7.3 Mbps to 4.8 Gbps (MCS0-MCS11 NSS1/2/3/4, HE
20/40/80/160)

802.11ac (WiFi 5)

6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, 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 21W

Supported Voltage Range 42.5—57V DC

Networking Interface (1) 1/2.5 GbE RJ45 port

Weight	Device: 1.2 kg (2.6 lb) With mount: 1.33 kg (2.9 lb)
Wind Loading	74.6 N at 200 km/h (16.8 lbf at 125 mph)
Pole Mount Diameter	1-2.5" (25-63.5 mm)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	UV-stabilized polycarbonate
LEDs	
System	(1) Power: White/Blue (4) Mesh signal: Blue
Certifications	FCC, IC
NDAA Compliant	✓
Ambient Operating Temperature	-30 to 60° C (-22 to 140° 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

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