U7-Pro-Outdoor

Overview

Dimensions	Without mount: 170 x 208 x 66.5 mm (6.7 x 8.2 x 2.6") 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 m² (5,000 ft²)
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, 90° x 45°
5 GHz	Directional internal: 11 dBi, 90° x 45° External omni: 8 dBi, 360° x 15°
2.4 GHz	Directional internal: 8 dBi, 90° x 90° External omni: 6 dBi, 360° x 15°
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 5.8 Gbps (MCS0 - MCS13 NSS1/2, 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)
802.11ac (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	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
NDAA Compliant	✓
Certifications	FCC, IC
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
Mobile App	iOS™ version 10.20.2 and later Android™ version 10.21.7 and later