U7 Pro Outdoor

SL-U7-Pro-Outdoor

WIRELESS ACCESS POINT

All-weather IP67 WiFi 7 AP with 6 spatial streams, extended-range AFC 6 GHz support, integrated directional super antenna, and articulation mounting bracket.









OVERVIEW

Dimensions	Without mount: 170 × 208 × 66.5 mm (6.7 × 8.2 × 2.6") With mount: 170 × 208 × 121.8 mm (6.7 × 8.2 × 4.8")
WiFi Standard	WiFi 7 *With 6 GHz support*
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 × 2 (DL/UL MU-MIMO)
5 GHz	2 × 2 (DL/UL MU-MIMO)
2.4 GHz	2 × 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 *With 6 GHz Extended Range mode. Available in FCC/IC region only*
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	✓ Yes
Band Steering	✓ Yes
802.11v BSS Transition Management	✓ Yes
802.11r Fast Roaming	✓ Yes
802.11k Radio Resource Management (RRM)	✓ Yes
Advanced Radio Management	✓ Yes

Passpoint (Hotspot 2.0)	✓ Yes
Captive Hotspot Portal	
Custom Branding Landing Page	✓ Yes
Voucher Authentication	✓ Yes
Payment-Based Authentication	✓ Yes
External Portal Server Support	✓ Yes
Password Authentication	✓ Yes
Guest Network Isolation	✓ Yes
Private Pre-Shared Key (PPSK)	✓ Yes
WiFi Speed Limiting	✓ Yes
Client Device Isolation	✓ Yes
WiFi Schedules	✓ Yes
RADIUS over TLS (RadSec)	✓ Yes
Dynamic RADIUS-assigned VLAN	✓ Yes

HARDWARE

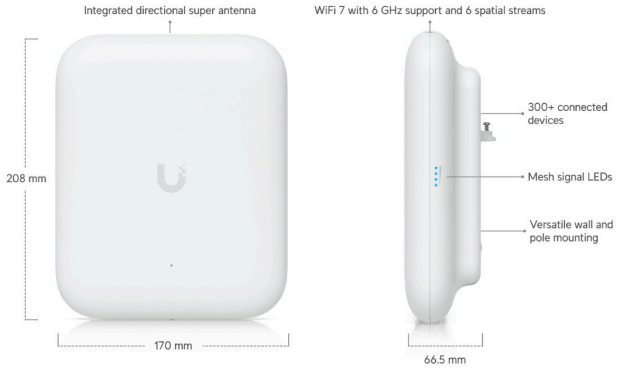
Max. Power Consumption	21W
Supported Voltage Range	42.5–57V DC
Networking Interface	(1) 1/2.5 GbE RJ45 port
Weight	Device: 1.2 kg (2.6 lb) With mount: 1.33 kg (2.9 lb)
Wind Loading	74.6 N at 200 km/h (16.8 lbf at 125 mph)
Pole Mount Diameter	1–2.5" (25–63.5 mm)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	UV-stabilized polycarbonate
LEDs	
System	(1) Power: White/Blue (4) Mesh signal: Blue
Ambient Operating Temperature	-30 to 60° C (-22 to 140° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓ Yes
Certifications	FCC, IC

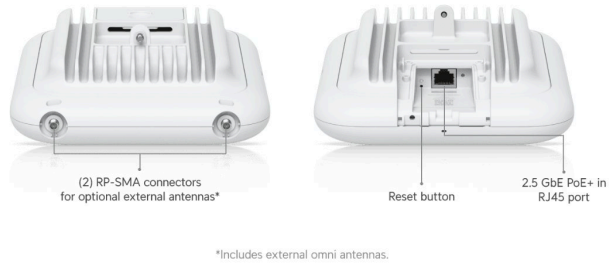
SOFTWARE

Application Requirements

Network application	Version 9.0.114 and later
Mobile App	iOS™ version 10.20.2 and later Android™ version 10.21.7 and later

PRODUCT DRAWINGS





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