

UniFi UISP Branding

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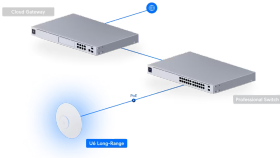
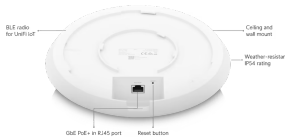
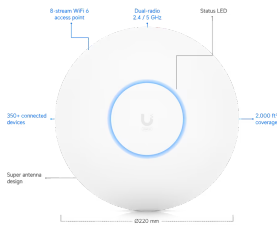
s Switching WiFi Camera Security Door Access Integrations Advanced Hosting

Flagship > U6 Long-Range



U6 Long-Range
U6-LR

- Datasheet
- In The Box
- Marketing Images
- Accessories
- Installation Guide



Overview

Dimensions	ø220 x 48 mm (ø8.7 x 1.9")
WiFi Standard	WiFi 6
Spatial Streams	8
Coverage Area	185 m² (2,000 ft²)
Max. Client Count	350+
Uplink	GbE
Mounting	Ceiling, Wall (Pro Mount Included)
Weatherproofing	IP54

Power Method

PoE+ ⓘ

^ Performance

MIMO

5 GHz	4 x 4 (DL/UL MU-MIMO)
2.4 GHz	4 x 4 (SU-MIMO)

Max. Data Rate

5 GHz	2.4 Gbps (BW160)
2.4 GHz	600 Mbps (BW40)

Antenna Gain

5 GHz	5.5 dBi
2.4 GHz	4 dBi

Max. TX Power

5 GHz	26 dBm
2.4 GHz	26 dBm

Max. BSSIDs

8 per Radio

Supported Data Rates

802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80) 7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 160)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80) 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160)
802.11n	6.5 Mbps to 600 Mbps (MCS0 - MCS31, 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	18.5W
Supported Voltage Range	44-57V DC
Networking Interface	(1) GbE RJ45 port
Weight	Device: 800 g (1.8 lb) With mount: 930 g (2.1 lb)
Management	Ethernet Bluetooth
Enclosure Material	Polycarbonate
Mount Material	Stainless steel (SUS304)
LEDs	
System	White/Blue
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160 (MHz)

NDAA Compliant	✓
Certifications	CE, FCC, IC, SRRC, Anatel: 10457-21-08356
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 - 5850 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 6.0.45 and later
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