

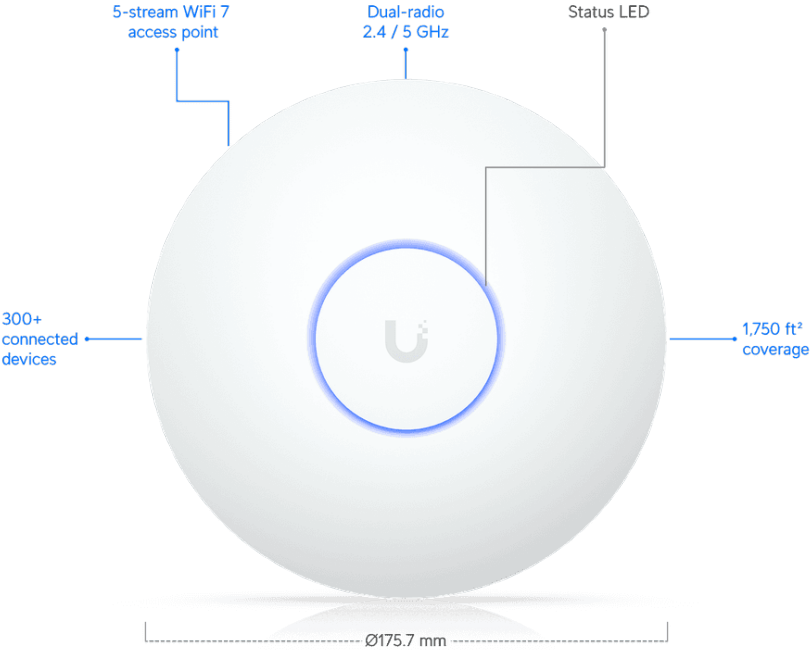
Terms

- Cloud Gateways
- Switching
- WiFi
- Camera Security
- Door Access
- Integrations
- Accessory Tech
- Identity
- Support
- Store
- UniFi
- UISP
- Branding

- Cloud Gateways
- Switching
- WiFi
- Camera Security
- Door Access
- Integrations
- Advanced Hosting
- Accessories
- Back
- Flagship
- U7 Long-Range



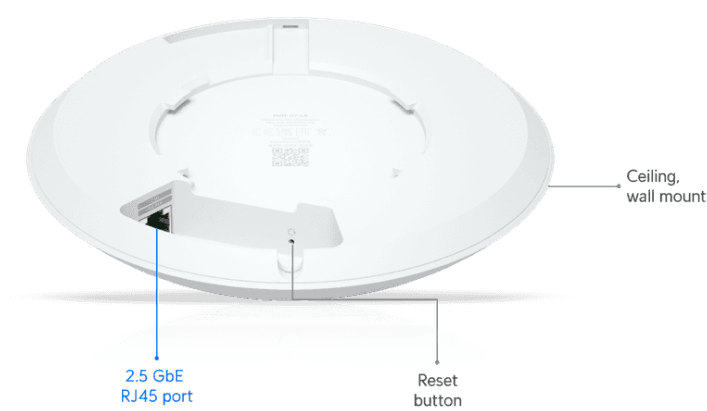
- U7 Long-Range
- U7-LR
- Datasheet
- In The Box
- Marketing Images
- Installation Guide



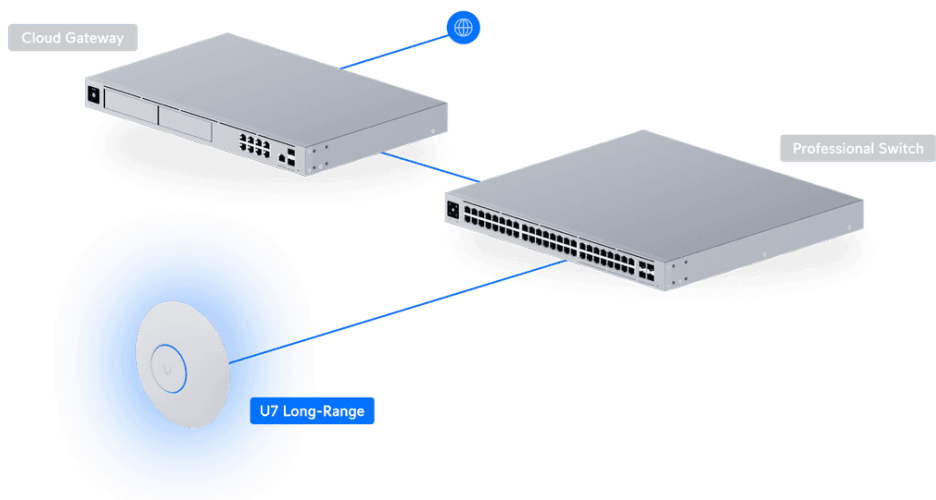
Zoom in



Zoom in



Zoom in



Zoom in

Overview

Dimensions

Ø175.7 x 43 mm (Ø6.9 x 1.7")

WiFi Standard

WiFi 7

Spatial Streams

5

Coverage Area

160 m² (1,750 ft²)

Max. Client Count

300+

Uplink

2.5 GbE

Mounting

Ceiling, Wall (Plastic Mounting Plate included)

Power Method

|                                         |                                                                |
|-----------------------------------------|----------------------------------------------------------------|
| PoE                                     |                                                                |
| Performance                             |                                                                |
| MIMO                                    |                                                                |
| 5 GHz                                   | 3 x 3 (DL/UL MU-MIMO)                                          |
| 2.4 GHz                                 | 2 x 2 (DL/UL MU-MIMO)                                          |
| Max. Data Rate                          |                                                                |
| 5 GHz                                   | 4.3 Gbps (BW160)                                               |
| 2.4 GHz                                 | 688 Mbps (BW40)                                                |
| Antenna Gain                            |                                                                |
| 5 GHz                                   | 6 dBi                                                          |
| 2.4 GHz                                 | 4 dBi                                                          |
| Max. TX Power                           |                                                                |
| 5 GHz                                   | 27 dBm                                                         |
| 2.4 GHz                                 | 26 dBm                                                         |
| Supported Data Rates                    |                                                                |
| 802.11be (WiFi 7)                       | 7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2/3, EHT 20/40/80/160) |
| 802.11ax (WiFi 6)                       | 7.3 Mbps to 3.6 Gbps (MCS0 - MCS11 NSS1/2/3, HE 20/40/80/160)  |
| 802.11ac (WiFi 5)                       | 6.5 Mbps to 2.6 Gbps (MCS0 - MCS9 NSS1/2/3, VHT 20/40/80/160)  |
| 802.11n                                 | 6.5 Mbps to 450 Mbps (MCS0 - MCS23 , 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

14W

Supported Voltage Range

42.5—57V DC

Networking Interface

(1) 2.5 GbE RJ45 port

Weight

448 g (15.8 oz)

Management

Ethernet

Enclosure Material

Polycarbonate, aluminum alloy

Mount Material

Polycarbonate, galvanized steel (SGCC)

LEDs

System

White/Blue

Channel Bandwidth

HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160 (MHz)

NDAA Compliant

Certifications

CE, FCC, IC, SRRC, Anatel: 04071-25-08356

Ambient Operating Temperature

-30 to 50° C (-22 to 122° F)

Ambient Operating Humidity

5 to 95% noncondensing

Software

- Application Requirements
- UniFi Network
- Version 9.1.120 and later
- Mobile App
- iOS™ version 10.20.2 and later Android™ version 10.21.7 and later

# Company

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