

U7 Lite

U7-Lite

Overview

Dimensions

Ø171.5 x 33 mm (Ø6.8 x 1.3")

WiFi Standard

WiFi 7

Spatial Streams

4

Coverage Area

115 m² (1,250 ft²)

Max. Client Count

200+

Uplink

2.5 GbE

Mounting Locations

Ceiling, wall

Mounting Plate

Plastic mounting plate (Included)

Power Method

PoE

Performance

MIMO

5 GHz

2 x 2 (DL/UL MU-MIMO)

2.4 GHz

2 x 2 (DL/UL MU-MIMO)

Max. Data Rate

5 GHz

4.3 Gbps (BW240)

2.4 GHz

688 Mbps (BW40)

Antenna Gain

5 GHz

5 dBi

2.4 GHz

4 dBi

Max. TX Power

5 GHz

24 dBm

2.4 GHz

23 dBm

Max. BSSIDs

8 per Radio

Supported Data Rates

802.11be (WiFi 7)

7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)

802.11ax (WiFi 6)

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

802.11ac (WiFi 5)

6.5 Mbps to 1.7Gbps (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

13W

Supported Voltage Range

42.5–57V DC

Networking Interface

(1) 2.5 GbE RJ45 port

Weight

313 g (11 oz)

Management

Ethernet

Enclosure Material

UV-stabilized polycarbonate

Mount Material

UV-stabilized polycarbonate, galvanized steel (SGCC)

LEDs

System

White/Blue

Channel Bandwidth

HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240 (MHz)

Certifications

CE, FCC, IC

Ambient Operating Temperature

-30 to 40° C (-22 to 104° 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