

Ubiquiti UniFi U7 Lite Access Point Datasheet

Overview

The Ubiquiti UniFi U7 Lite (U7-Lite) is a compact, ceiling-mounted WiFi 7 access point built for homes and small to medium businesses. Powered by the 802.11be standard, it delivers 4 spatial streams across dual bands, reaching up to 4.3 Gbps on the 5 GHz radio and 688 Mbps on 2.4 GHz, while comfortably supporting 200+ concurrent clients.

A single 2.5 GbE uplink port keeps pace with high-density WiFi 7 traffic, and PoE power delivery means the AP can be dropped onto any PoE-enabled UniFi switch or gateway without a separate power source. Managed through the UniFi Network application or mobile app, the U7 Lite adds wireless meshing, band steering, fast roaming, and enterprise-grade guest access features in a low-profile, UV-stabilized polycarbonate enclosure suited to ceiling or wall mounting.

QUICK SPEC

Figure 1: APPEARANCE OF U7-LITE (TOP VIEW)



TABLE 1: Quick Specs

SKU	U7-Lite
WiFi Standard	WiFi 7 (802.11be)
Spatial Streams	4 (2x2 5 GHz + 2x2 2.4 GHz)
Coverage Area	115 m ² (1,250 ft ²)
Max. Client Count	200+
Uplink	(1) 2.5 GbE RJ45 port
Dimensions	Ø171.5 x 33 mm (Ø6.8 x 1.3 in)

Product Details

FIGURE 2: SIDE PROFILE OF U7-LITE



FIGURE 3: MOUNTING SIDE OF U7-LITE



Ubiquiti UniFi U7 Lite (U7-Lite) provides these features:

1. WiFi 7 Dual-Radio Performance

The U7 Lite runs 4 spatial streams across two radios, reaching up to 4.3 Gbps on the 5 GHz band (BW240) and 688 Mbps on 2.4 GHz (BW40), both with 2x2 DL/UL MU-MIMO. This brings WiFi 7 speed and lower latency to small and medium deployments.

2. High-Speed 2.5 GbE Uplink

A single 2.5 GbE RJ45 port gives the radio enough wired backhaul to avoid becoming the bottleneck in WiFi 7 networks, keeping pace with high-density, high-throughput client traffic.

3. Compact, Ceiling-Mount Design

At just Ø171.5 x 33 mm and 313 g, the U7 Lite mounts flush to a ceiling or wall using its included lite mount, blending into offices, homes, and retail spaces while remaining fully PoE powered.

4. Advanced Radio Management

Built-in wireless meshing, band steering, 802.11k Radio Resource Management, 802.11v BSS Transition Management, and 802.11r Fast Roaming keep clients on the best available radio and channel as they move.

5. Robust Security & Guest Access

The U7 Lite supports captive hotspot portals with custom branding, voucher and payment-based authentication, Private Pre-Shared Key (PPSK), guest network isolation, and RADIUS over TLS (RadSec) for enterprise-grade access control.

6. Broad Compatibility & Easy Management

Adopt the U7 Lite in seconds through the UniFi Network application or mobile app, or run it standalone with any third-party router. Dynamic RADIUS-assigned VLANs and WiFi schedules simplify day-to-day network administration.

7. Reliable, Efficient Build

Housed in UV-stabilized polycarbonate, the U7 Lite operates from -30°C to 40°C and draws a maximum of just 13W over PoE (42.5–57V DC), making it an efficient, durable choice for continuous operation.

Specification

Parameter	Specification
Model	UniFi U7 Lite
SKU	U7-Lite
Device Type	WiFi 7 Access Point
WiFi Standard	802.11be (WiFi 7)
Spatial Streams	4 (2x2 5 GHz + 2x2 2.4 GHz, DL/UL MU-MIMO)
Max. Data Rate (5 GHz)	4.3 Gbps (BW240)
Max. Data Rate (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
Coverage Area	115 m ² (1,250 ft ²)
Max. Client Count	200+
Networking Interface	(1) 2.5 GbE RJ45 port
Power Method	PoE (42.5–57V DC)
Max. Power Consumption	13 W
Mounting	Ceiling, Wall (Lite Mount included)
Dimensions	Ø171.5 x 33 mm (Ø6.8 x 1.3 in)
Weight	313 g (11 oz)
Enclosure Material	UV-stabilized polycarbonate
Operating Temperature	-30°C to 40°C (-22°F to 104°F)
Operating Humidity	5% to 95% non-condensing
Certifications	CE, FCC, IC
Software	UniFi Network v9.0.114+; iOS 10.20.2+ / Android 10.21.7+

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Projects**



**250 +
Trusted
Clients**



**Partners
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**Competitive
Affordability**



**24/7
Tech
Support**

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