

UniFi UISP Branding

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Switching WiFi Camera Security Door Access CloudKeys & Gateways Power Tech Inte

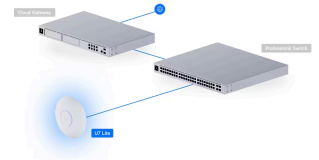
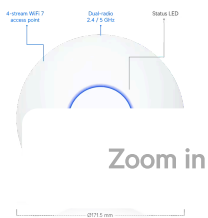
Flagship > U7 Lite

Datasheet

In The Box

Marketing Images

Installation Guide



Overview

Dimensions	Ø171.5 x 33 mm (Ø6.8 x 1.3")
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	115 m <sup>2</sup> (1,250 ft <sup>2</sup> )
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	✓
^ <b>Hardware</b>	
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
^ <b>Software</b>	
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

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