

U7 Lite

SKU: UB-UAP-U7-LITE



The Ubiquiti U7-Lite is a compact, high-performance Wi-Fi 7 access point designed for seamless connectivity in small to medium-sized environments. It supports dual-band Wi-Fi 7 (2.4 GHz and 5 GHz) with speeds up to 5.3 Gbps, utilizing 2x2 MU-MIMO and OFDMA for efficient multi-device handling. The U7-Lite features a 2.5 Gbps Ethernet port with PoE support (802.3af) for easy installation and power delivery. With a sleek, unobtrusive design, it supports advanced Wi-Fi 7 features like 4K-QAM, 320 MHz channel bandwidth, and multi-link operation (MLO) for enhanced performance and reliability. Ideal for modern networks, it ensures high-speed, low-latency wireless

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Mechanical

Dimensions	Ø171.5 x 33 mm (Ø6.8 x 1.3")
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	115 m ² (1,250 ft ²)
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,

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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	✓

Software

Application Requirements	
UniFi Network	Version 9.0.114 and later
UniFi OS	OS™ version 10.20.2 and later Android™ version 10.21.7 and later

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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

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