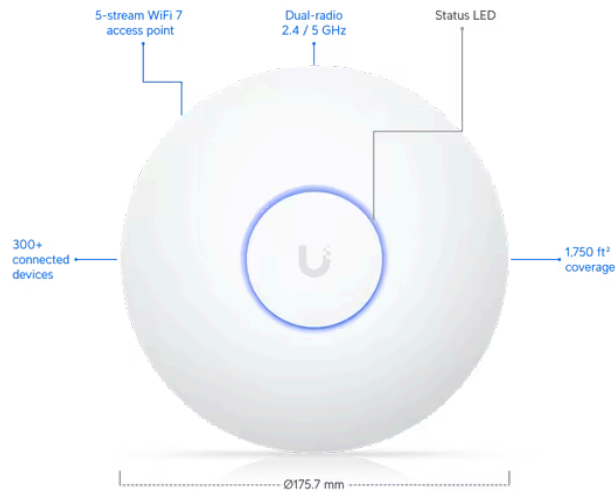




U7 Long-Range

U7-LR



^ Overview

Dimensions	Ø175.7 x 43 mm (Ø6.9 x 1.7")
WiFi Standard	WiFi 7
Spatial Streams	5
Coverage Area	160 m ² (1,750 ft ²)
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
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