

Dimensions	Ø215 x 32.5 mm (Ø8.5 x 1.3")
WiFi Standard	WiFi 7
Spatial Streams	8
Coverage Area	160 m <sup>2</sup> (1,750 ft <sup>2</sup> )
Max. Client Count	500+
Uplink	10 GbE
Mounting	Ceiling, Wall (Lite Mount Included)
Power Method	PoE++

## Performance

### MIMO

6 GHz	2 x 2 (DL/UL MU-MIMO)
5 GHz	4 x 4 (DL/UL MU-MIMO)
2.4 GHz	2 x 2 (DL/UL MU-MIMO)

### Max. Data Rate

6 GHz	5.8 Gbps (BW320)
5 GHz	8.6 Gbps (BW240)
2.4 GHz	688 Mbps (BW40)

### Antenna Gain

6 GHz	6 dBi
5 GHz	6 dBi
2.4 GHz	4 dBi

### Max. TX Power

6 GHz	24 dBm
5 GHz	29 dBm
2.4 GHz	23 dBm

Max. BSSIDs 8 per Radio

### Supported Data Rates

802.11be (WiFi 7) 20/40/80/160/320)	6 GHz: 7.3 Mbps to 5.8 Gbps (MCS0 - MCS13 NSS1/2, EHT)
5 GHz: 7.3 Mbps to 8.6 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240)	
802.11ax (WiFi 6) 20/40/80/160)	7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE)
802.11ac (WiFi 5) 20/40/80/160)	6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT)
802.11n	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)

## Features

Wireless Meshing

✓

Band Steering

- ✓
- 802.11v BSS Transition Management
- ✓
- 802.11r Fast Roaming
- ✓
- 802.11k Radio Resource Management (RRM)
- ✓
- Zero-Wait DFS
- ✓
- Advanced Radio Management
- ✓
- Real-Time Spectral Analysis
- ✓
- 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	29W
Supported Voltage Range	42.5—57V DC
Networking Interface.	(1) 10 GbE RJ45 port
Weight	800 g (1.8 lb)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Stainless steel (SUS304), galvanized steel (SGCC)

LEDs	
System	White/Blue
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240/320 (MHz)

NDA Compliant  
✓

Certifications	CE, FCC, IC, Anatel: 05123-25-08356
Operating Frequency	
US/CA:	
2400 - 2472 MHz	
U-NII-1: 5150 - 5250 MHz	
U-NII-2A: 5250 - 5350 MHz	
U-NII-2C: 5470 - 5725 MHz	
U-NII-3: 5725 - 5850 MHz	
U-NII-5 to U-NII-8 : 5925 - 7125 MHz	

Worldwide:  
2400 - 2483.5 MHz  
5150 - 5725 MHz  
5925 - 7125 MHz

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 (U7 Pro XGS - White)  
Version 9.1.120 and later (U7 Pro XGS - Black)