

UniFi UISP Branding

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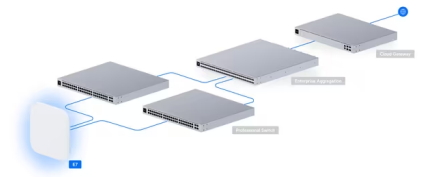
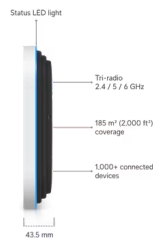
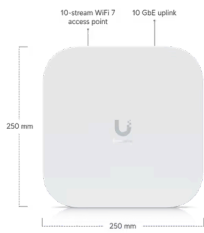
Enterprise > E7



E7
E7

Datasheet

- In The Box
- Marketing Images
- Accessories
- Installation Guide



Overview

Dimensions	250 x 250 x 43.5 mm (9.8 x 9.8 x 1.7")
WiFi Standard	WiFi 7 ⓘ
Spatial Streams	10
Coverage Area	185 m ² (2,000 ft ²)
Max. Client Count	1000+
Uplink	10 GbE 1 GbE
Mounting	Ceiling, Wall, VESA (Pro Mount Included)
Power Method	PoE++

Performance

MIMO

6 GHz	4 x 4 (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	11.5 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	5 dBi

Max. TX Power

6 GHz	24 dBm / 30 dBm ⓘ
5 GHz	30 dBm
2.4 GHz	23 dBm

Max. BSSIDs

8 per Radio

Supported Data Rates

802.11be (WiFi 7)	7.3 Mbps to 11.4 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240/320)
802.11ax (WiFi 6)	7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
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	43W
Supported Voltage Range	42.5-57V DC
Networking Interface	(1) 10 GbE RJ45 port (1) 1 GbE RJ45 port
Weight	1.8 kg (4 lb)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Stainless steel (SUS304), galvanized steel (SGCC)
LEDs	

System	R/G/B
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: 06372-24-08356
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 - 5850 MHz 5925 - 7125 MHz 
Ambient Operating Temperature	-30 to 50° C (-22 to 122° F)
Ambient Operating Humidity	5 to 95% noncondensing
Software	
Application Requirements	
UniFi Network	Version 9.2.87 and later
Mobile App	iOS™ version 10.24.1 and later Android™ version 10.25.2 and later

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