

UniFi

DATASHEET

E7

Datasheet	In The Box	Marketing Images	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	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)	✓

UniFi E7 - Tech Specs	
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)

UniFi E7 - Tech Specs	
NDAA 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
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