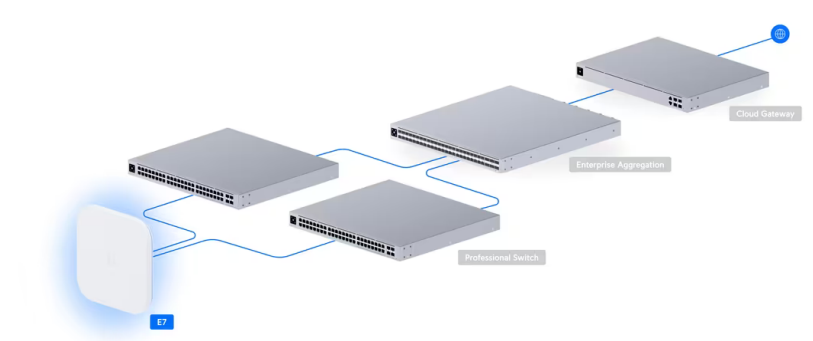
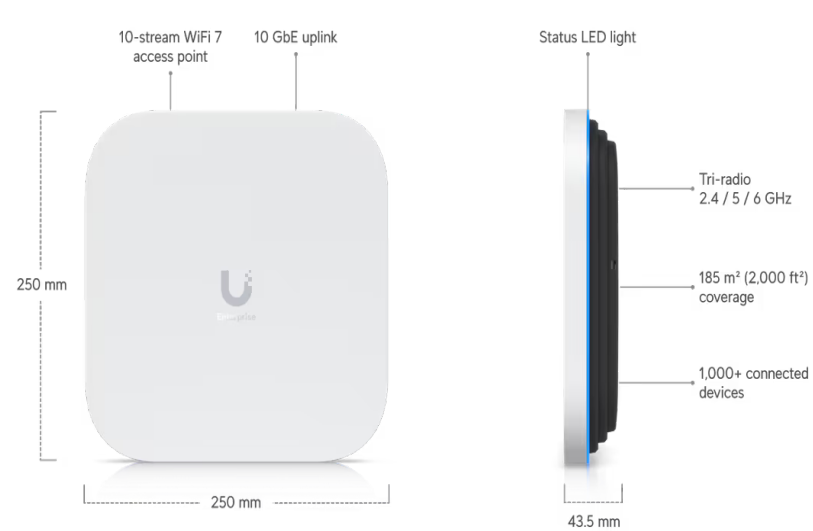


Enterprise > E7



E7

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



**Mechanical**

<b>Dimensions</b>	250 x 250 x 43.5 mm (9.8 x 9.8 x 1.7")
<b>Weight</b>	1.8 kg (4 lb)
<b>Enclosure material</b>	UV-stabilized polycarbonate, aluminum alloy
<b>Mount material</b>	Stainless steel (SUS304), galvanized steel (SGCC)

**Hardware**

<b>Networking interface</b>	(1) 10 GbE RJ45 port (1) 1 GbE RJ45 port
<b>Management interface</b>	Ethernet
<b>Power method</b>	PoE++
<b>Power supply</b>	UniFi PoE switch
<b>Supported voltage range</b>	42.5—57V DC
<b>Max. power consumption</b>	43W
<b>Max. TX power</b>	
2.4 GHz	23 dBm
5 GHz	30 dBm
6 GHz	24 dBm / 30* dBm
	*With 6 GHz Extended Range mode. Available in FCC/IC region only.
<b>MIMO</b>	
2.4 GHz	2 x 2 (DL/UL MU-MIMO)
5 GHz	4 x 4 (DL/UL MU-MIMO)
6 GHz	4 x 4 (DL/UL MU-MIMO)
<b>Max. data rate</b>	
2.4 GHz	688 Mbps (BW40)
5 GHz	8.6 Gbps (BW240)
6 GHz	11.5 Gbps (BW320)
<b>Antenna gain</b>	
2.4 GHz	5 dBi
5 GHz	6 dBi
6 GHz	6 dBi
<b>Antenna</b>	Internal with omni patterns
<b>LEDs</b>	R/G/B
<b>Button</b>	Factory reset
<b>Mounting</b>	Wall/ceiling (Included)
<b>Ambient operating temperature</b>	-30 to 50° C (-22 to 122° F)
<b>Ambient operating humidity</b>	5 to 95% noncondensing
<b>Certifications</b>	CE, FCC, IC

**Software**

<b>WiFi standards</b>	802.11a/b/g/n/ac/ax/be (WiFi 6, WiFi 7)
<b>Wireless security</b>	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK)
<b>BSSID</b>	8 per radio
<b>VLAN</b>	802.1Q
<b>Advanced QoS</b>	Per-user rate limiting
<b>Guest traffic isolation</b>	Supported
<b>Concurrent clients</b>	1,000+
<b>Ubiquiti specific features</b>	Dedicated spectral analyzer radio

**Supported Data Rates**

<b>802.11a</b>	6, 9, 12, 18, 24, 36, 48, 54 Mbps
<b>802.11b</b>	1, 2, 5.5, 11 Mbps
<b>802.11g</b>	6, 9, 12, 18, 24, 36, 48, 54 Mbps
<b>802.11n</b>	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)
<b>802.11ac</b>	6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
<b>802.11ax (WiFi 6)</b>	7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)
<b>802.11be (WiFi 7)</b>	7.3 Mbps to 11.5 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240/320)

**Application Requirements**

<b>UniFi Network</b>	Version 8.6.9 and later
<b>UniFi OS</b>	Version 4.0.20 and later

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