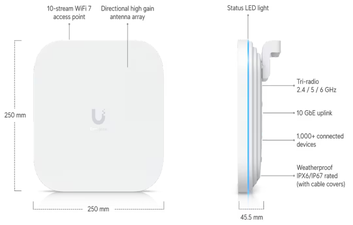
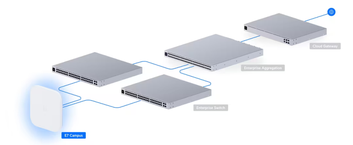
E7 Campus

E7-Campus-US

Datasheet | In The Box | Marketing Images | Installation Guide





Mechanical

Dimensions	Device: 250 x 250 x 45.5 mm (9.8 x 9.8 x 1.8") Articulating mount: Ø104 x 149.4 (Ø4.1 x 5.9")
Weight	Device: 2.2 kg (4.9 lb) Articulating mount: 0.9 kg (2 lb)
Enclosure material	UV-stabilized polycarbonate, aluminum alloy
Mount material	Stainless steel, aluminum alloy
Pole mount diameter	1–2.5" (25–63.5 mm) on pipe outer diameter
Wind survivability	164.75 N at 200 km/h (37 lbf at 125 mph)
Weatherproofing	IPX6 IP67 with Waterproof Door Kit (Included)

Hardware

Networking interface	(1) 10 GbE RJ45 port (1) 1 GbE RJ45 port
Management interface	Ethernet
Power method	PoE++
Power supply	UniFi PoE switch
Supported voltage range	42.5—57V DC
Max. power consumption	44W
Max. TX power	
2.4 GHz	23 dBm
5 GHz	30 dBm
6 GHz	30 dBm (36 dBm EIRP)* *With 6 GHz Extended Range mode. Available in FCC/IC region only.
MIMO	
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)
Max. data rate	
2.4 GHz	688 Mbps (BW40)
5 GHz	8.6 Gbps (BW240)
6 GHz	11.5 Gbps (BW320)
Antenna gain	
2.4 GHz	9 dBi
5 GHz	12 dBi
6 GHz	12 dBi
Antenna	Internal with directional patterns
LEDs	R/G/B
Button	Factory reset
Mounting	Articulating mount for wall, pole or ceiling mounting (Included)
Ambient operating temperature	-30 to 60° C (-22 to 140° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	FCC, IC

Software

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

Supported Data Rates

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

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