UniFi   UISP   Branding

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E7
E7

Datasheet | In The Box | Marketing Images | Installation Guide

10-stream WiFi 7 access point
10 GbE uplink
Status LED light
250 mm
250 mm
43.5 mm

Tri-radio 2.4 / 5 / 6 GHz
185 m² (2,000 ft²) coverage
1,000+ connected devices

Real-time spectral analysis for enhanced channel selection
GbE PoE++ in RJ45 port for power & data redundancy
Compatible with UniFi Pro Mounting System
Reset button
10 GbE PoE++ in RJ45 port

Mechanical

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

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	43W
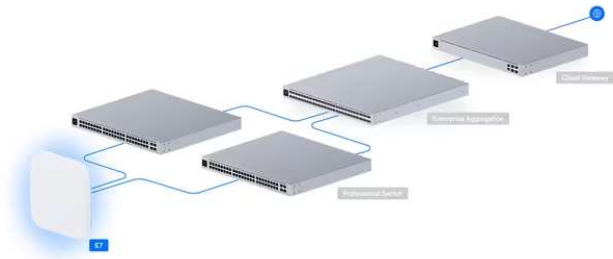
Max. TX power

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.

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	5 dBi
5 GHz	6 dBi
6 GHz	6 dBi

Antenna	Internal with omni patterns
LEDs	R/G/B
Button	Factory reset
Mounting	Wall/ceiling (Included)
Ambient operating temperature	-30 to 50° C (-22 to 122° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	CE, 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	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)

Application Requirements

UniFi Network	Version 8.6.9 and later
UniFi OS	Version 4.0.20 and later

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