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	ra Security Door Access Clour	dKeys & Gateways Power Tech Integrations Accessories
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E7 E7		
Datasheet	In The Box Marketing Images	Installation Guide
10-stream WiFi 7 10 GbE uplink Status LED light	Mechanical	
access point	Dimensions	250 x 250 x 43.5 mm (9.8 x 9.8 x 1.7")
Tri-radio	Weight	1.8 kg (4 lb)
2.4 / 5 / 6 GHz	Enclosure material	UV-stabilized polycarbonate, aluminum alloy
250 mm	Mount material	Stainless steel (SUS304), galvanized steel (SGCC)
1,000+ connected devices	Hardware	
250 mm 250 mm 43.5 mm	Networking interface	(1) 10 GbE RJ45 port (1) 1 GbE RJ45 port
Real-time spectral analysis Compatible with UniFi Pro Mounting System	Management interface	Ethernet
GbE PoE++ in RJ45 port Reset button	Power method	PoE++
for power & data redundancy 10 GbE PoE++ in RJ45 port	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
B Enterprise Argregation	6 GHz	24 dBm / 30* dBm *With 6 GHz Extended Range mode. Available in FCC/IC region only.
Performance Service	МІМО	
Modeladed Switch	2.4 GHz 5 GHz	2×2 (DL/UL MU-MIMO) 4×4 (DL/UL MU-MIMO)
	6 GHz	4 x 4 (DL/UL MU-MIMO)
	Max. data rate 2.4 GHz	(22 Mbm, (D))
	5 GHz	688 Mbps (BW40) 8.6 Gbps (BW240)
	6 GHz	11.5 Gbps (BW320)
	Antenna gain 2.4 GHz	5 dBi
	5 GHz 6 GHz	6 dBi 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 temperature	
	Ambient operating humidity	5 to 95% noncondensing

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

UniFi OS

Version 4.0.20 and later

Downloads

Version 8.6.9 and later

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