

Tech Specs

UniFi UISP Branding

UniFi Cloud Gateways WiFi Switching Cloud Keys & Gateways Camera Security Door Access Power Tech New Integrations Accessories

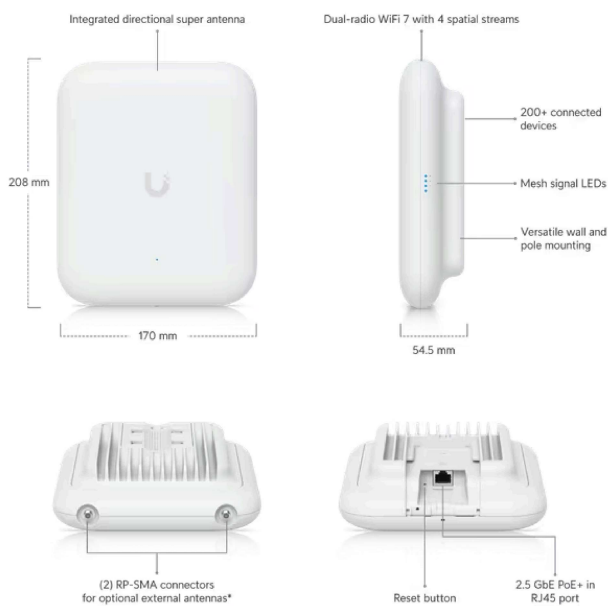
WiFi > U7 Outdoor

Datasheet

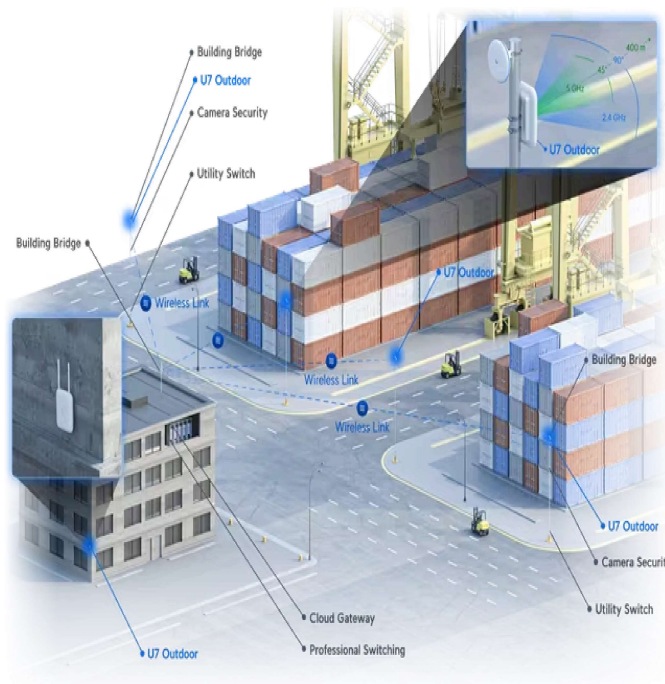
In The Box

Marketing Images

Installation Guide



*Includes external omni antennas.



Mechanical

Dimensions	170 x 208 x 54.5 mm (6.7 x 8.2 x 2.1")
Weight	1.2 kg (2.6 lb)
Enclosure material	UV-stabilized polycarbonate, aluminum alloy
Mount material	Polycarbonate, SGCC steel
Pole mount diameter	25–60 mm (1–2.36") on pipe outer diameter
Wind survivability	74.6 N at 200 km/h (16.8 lbf at 125 mph)
Weatherproofing	IPX6

Hardware

Networking interface	(1) 1/2.5 GbE RJ45 port
Management interface	Ethernet
Power method	PoE+
Power supply	UniFi PoE Switch
Supported voltage range	42.5–57V DC
Max. power consumption	19W

Max. TX power	
2.4 GHz	23 dBm
5 GHz	26 dBm
6 GHz	-
MIMO	
2.4 GHz	2 x 2
5 GHz	2 x 2
6 GHz	-
Throughput rate	
2.4 GHz	688 Mbps
5 GHz	4324 Mbps
6 GHz	-
Antenna gain	
2.4 GHz	Directional internal: 8 dBi / External omni: 3 dBi
5 GHz	Directional internal: 12.5 dBi / External omni: 4 dBi
6 GHz	-
Antenna beamwidth	
2.4 GHz	90°
5 GHz	45°
6 GHz	-
Antennas	(1) Directional internal antenna (2) External omni antennas (2) RP-SMA connectors for external antenna
LEDs	(1) Power: white/blue (4) Mesh signal: blue
Button	Factory reset
Mounting	Wall, ceiling, pole (Included)
Ambient operating temperature	-30 to 60° C (-22 to 140° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	CE, FCC, IC

Software

WiFi standards	802.11a/b/g/n/ac/ax/be
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	200+

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 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11be (WiFi 7)	7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)

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