

Switching WiFi Camera Security Door Access CloudKeys & Gateways Power Tech New

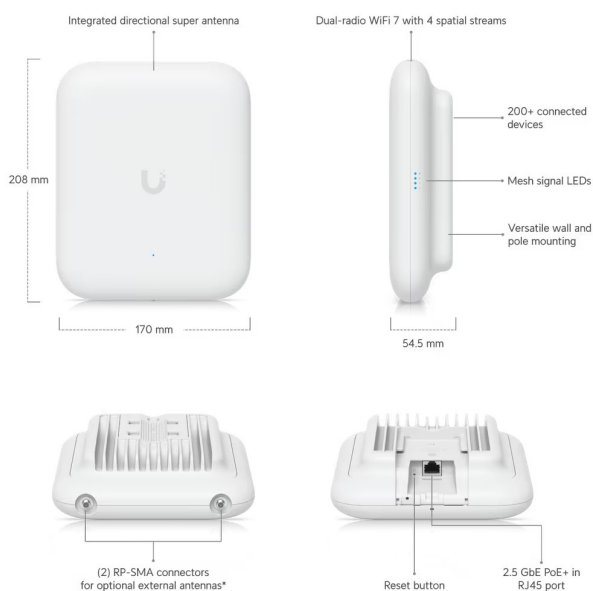
WiFi > U7 Outdoor

Datasheet

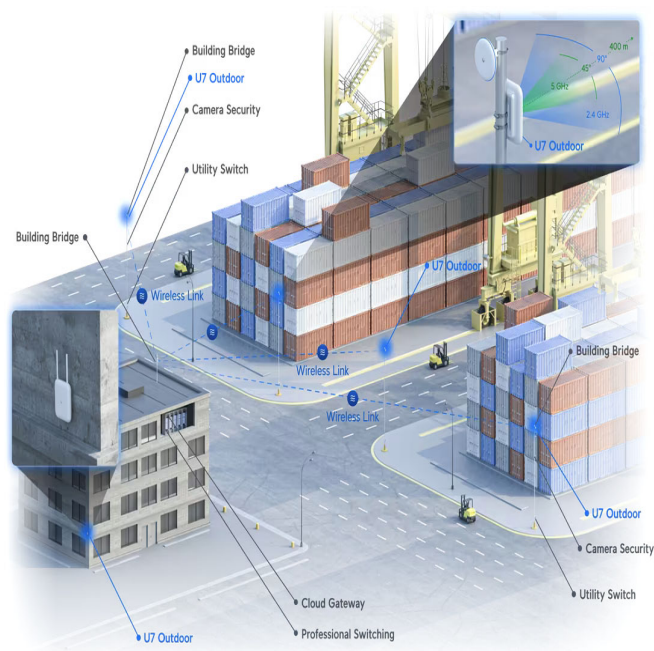
In The Box

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 (DL/UL MU-MIMO)

5 GHz 2 x 2 (DL/UL MU-MIMO)

6 GHz -

Throughput rate

2.4 GHz 688 Mbps (BW40)

5 GHz 4.3 Gbps (BW240)

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 (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	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	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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