

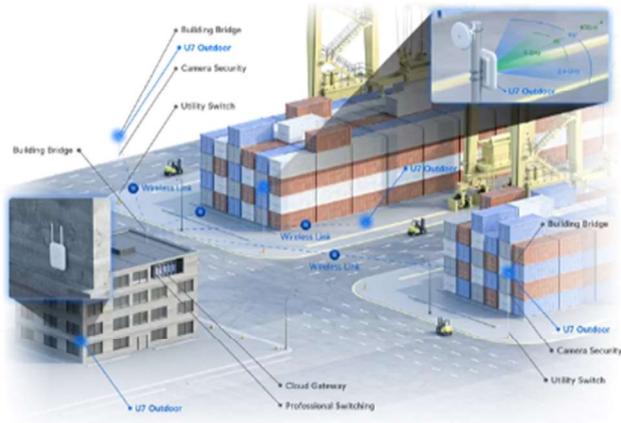


# U7 Outdoor

U7-Outdoor



\*Includes external omni antennas.



## Mechanical

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

## Hardware

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

<b>Max. TX power</b>	
2.4 GHz	23 dBm
5 GHz	26 dBm
6 GHz	-

<b>MIMO</b>	
2.4 GHz	2 x 2 (DL/UL MU-MIMO)
5 GHz	2 x 2 (DL/UL MU-MIMO)
6 GHz	-

<b>Max. data rate</b>	
2.4 GHz	688 Mbps (BW40)
5 GHz	4.3 Gbps (BW240)
6 GHz	-

<b>Antenna gain</b>	
2.4 GHz	Directional internal: 8 dBi/External omni: 3 dBi
5 GHz	Directional internal: 12.5 dBi/External omni: 4 dBi
6 GHz	-

<b>Antenna beamwidth</b>	
2.4 GHz	90°
5 GHz	45°
6 GHz	-

<b>Antennas</b>	(1) Directional internal antenna (2) External omni antennas (2) RP-SMA connectors for external antenna
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<b>LEDs</b>	(1) Power: white/blue (4) Mesh signal: blue
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# U7 Outdoor

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Light color: **White**  
Light color: **White/blue**  
Light color: **Deep signal blue**

<b>Button</b>	Factory reset
<b>Mounting</b>	Wall, ceiling, pole (Included)
<b>Ambient operating temperature</b>	-30 to 60° C (-22 to 140° F)
<b>Ambient operating humidity</b>	5 to 95% noncondensing
<b>Certifications</b>	CE, FCC, IC

## Software

<b>WiFi standards</b>	802.11a/b/g/n/ac/ax/be (WiFi 6, WiFi 7)
<b>Wireless security</b>	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK)
<b>BSSID</b>	8 per radio
<b>VLAN</b>	802.1Q
<b>Advanced QoS</b>	Per-user rate limiting
<b>Guest traffic isolation</b>	Supported
<b>Concurrent clients</b>	200+

## Supported Data Rates

<b>802.11a</b>	6, 9, 12, 18, 24, 36, 48, 54 Mbps
<b>802.11b</b>	1, 2, 5.5, 11 Mbps
<b>802.11g</b>	6, 9, 12, 18, 24, 36, 48, 54 Mbps
<b>802.11n</b>	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
<b>802.11ac</b>	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
<b>802.11ax (WiFi 6)</b>	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
<b>802.11be (WiFi 7)</b>	7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)