



UniFi Cloud Gateways

WiFi

Switching

Cloud Keys & Gateways

Camera Security

Door A

WiFi > U6 Long-Range

Datasheet

In The Box

Marketing Images

Installation Guide

Ø220 mm

Enterprise / Long Range

Ø197 mm

Professional

Ø160 mm

Lite / U6+

8-stream WiFi 6 access point

Dual-radio 2.4 / 5 GHz

Status LED

2,000 ft² coverage

350+ connected devices

Locking notch

Super antenna design

Ø220 mm

48 mm

BLE radio for UniFi IoT

Ceiling and wall mount

Weather-resistant IP54 rating

GbE PoE+ in RJ45 port

Reset button

PoE

Access Point

Access Point

Access Point

Professional Switch

Cloud Gateway

Mechanical

Dimensions	Ø220 x 48 mm (Ø8.7 x 1.9")
Weight	Without mount: 800 g (1.8 lb) With mount: 930 g (2.1 lb)
Enclosure material	Polycarbonate

<https://techspecs.ui.com/unifi/wifi/u6-lr>

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Mount material	Stainless steel (SUS304)
Weatherproofing	IP54

Hardware

Networking interface	(1) GbE RJ45 port
Management interface	Ethernet Bluetooth
Power method	PoE+ Passive PoE, 48V
Power supply	UniFi PoE switch 48V, 0.5A PoE adapter (Not included)
Supported voltage range	44—57V DC
Max. power consumption	18.5W
Max. TX power	
2.4 GHz	26 dBm
5 GHz	26 dBm
6 GHz	-
MIMO	
2.4 GHz	4 x 4
5 GHz	4 x 4
6 GHz	-
Throughput rate	
2.4 GHz	600 Mbps
5 GHz	2400 Mbps
6 GHz	-
Antenna gain	
2.4 GHz	4 dBi
5 GHz	5.5 dBi
6 GHz	-
LEDs	White/blue
Button	Factory reset
Mounting	Wall, ceiling (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
Wireless security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
BSSID	8 per radio
VLAN	802.1Q
Advanced QoS	Per-user rate limiting
Guest traffic isolation	Supported
Concurrent clients	350+

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 (WiFi 4)	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)

Application Requirements

UniFi Network	Version 6.0.34 and later
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