



U6 In-Wall Spec Sheet | U6-IW

Wall-mounted WiFi 6 AP with 6 spatial streams and a built-in 4-port switch ideal for single-room coverage in hospitality environments.

- WiFi 6
- 6 spatial streams
- 115 m² (1,250 ft²) coverage
- 300+ connected devices
- Powered using PoE/PoE+
- (4) GbE ports with (1) PoE output
- GbE uplink

Mechanical

Dimensions	139.7 x 96 x 31.2 mm
Weight	460 g
Enclosure material	Plastic, aluminium
Mount material	Aluminium

Hardware

Networking interface	(1) Data-in: GbE RJ45 port (4) Data-out: GbE RJ45 ports
Management interface	Ethernet Bluetooth
PoE interface	(1) PoE in (PoE output not used) (1) PoE out (Requires a PoE+ switch)
Power method	PoE PoE+ (required for PoE output)
Power supply	UniFi PoE switch 48V, 0.5A PoE adapter (Optional)
Max. power consumption	13W (Excluding PoE output)
Max PoE wattage per port by PSE	15.4W (Requires a PoE+ switch)
Voltage range PoE mode	44-57V DC

Max. TX power

2.4 GHz 22 dBm

5 GHz 26 dBm

6 GHz -

MIMO

2.4 GHz 2 x 2

5 GHz 4 x 4

6 GHz -

Max. data rate

2.4 GHz 573.5 Mbps

5 GHz 4.8 Gbps

6 GHz -

Antenna gain

2.4 GHz 5 dBi

5 GHz 5.9 dBi

6 GHz -

LEDs White/blue

Button Factory reset

Mounting Wall (Included)

Ambient operating temperature -30 to 60° C

Ambient operating humidity 5 to 95% noncondensing

Certifications CE, FCC, IC

Software

WiFi standards 802.11a/b/g/n/ac/ax (WiFi 6)

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 300+

Zero wait DFS Yes (Supported with upcoming firmware versions)

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
802.11ac	6.5 Mbps to 3.4 Gbps
802.11ax (WiFi 6)	7.3 Mbps to 4.8 Gbps

Application Requirements

UniFi Network	Version 6.4.52 and later
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