



U6 Enterprise Spec Sheet

| U6-Enterprise

Ceiling-mounted WiFi 6E AP with 10 spatial streams and 6 GHz support to provide seamless, multi-band coverage within high client density environments.

- WiFi 6E with 6 GHz support
- 10 spatial streams
- 140 m² (1,500 ft²) coverage
- 600+ connected devices
- Powered using PoE+
- 2.5 GbE uplink

Mechanical

Dimensions	Ø220 x 48 mm
Weight	Without mount: 960 g With mount: 1090 g
Enclosure material	Polycarbonate, aluminium
Mount material	Stainless steel

Hardware

Networking interface	(1) 1/2.5 GbE RJ45 port
Management interface	Ethernet Bluetooth
Power method	PoE+
Power supply	UniFi PoE switch 48V, 0.5A PoE adapter (Optional)
Supported voltage range	44—57V DC
Max. power consumption	22W
Max. TX power	
2.4 GHz	22 dBm
5 GHz	26 dBm
6 GHz	26 dBm

MIMO	
2.4 GHz	2 x 2
5 GHz	4 x 4
6 GHz	4 x 4
Max. data rate	
2.4 GHz	573.5 Mbps
5 GHz	4.8 Gbps
6 GHz	4.8 Gbps
Antenna gain	
2.4 GHz	3.2 dBi
5 GHz	5.3 dBi
6 GHz	6 dBi
LEDs	White/blue
Button	Reboot and Factory reset
Mounting	Wall, ceiling (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	600+
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
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802.11ax (WiFi 6)	7.3 Mbps to 4.8 Gbps
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Application Requirements

UniFi Network	Version 7.2.91 and later
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