



U6 Enterprise Ceiling-Mounted WiFi 6E Access Point

U6-Enterprise

SKU: 146227 UPC: 810010077677

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

Features

- Centrally manage multiple networks from an intuitive interface.
- Enjoy real-time device insights and deep configuration options.
- Upgrade device firmware remotely.
- Manage network users and guests.
- Personalize the design, architecture, and privacy of guest hotspots.
- Set up devices quickly and manage them on the go with a powerful mobile app.
- 140 m² (1,500 ft²) coverage
- 600+ connected devices
- WiFi6 (4x4 MIMO)
- Powered using PoE+
- Additional 6 GHz radio
- 2.5GbE uplink

Specifications

Technical Specifications	Mechanical	Dimensions	Weight
Without mount: 960 g (2.1 lb)	With mount: 1090 g (2.4 lb)	Enclosure materials Polycarbonate, aluminum	Mount material Stainless steel (SUS304)
Hardware Networking interface (1) 2.5GbE RJ45 port	Management interface Ethernet	Bluetooth	Power method PoE+
Power supply UniFi PoE switch 48V, 0.5A PoE adapter (optional)	Supported voltage range 44V-57V DC	Max. power consumption 22W	Max. TX power 2.4 GHz 5-7 GHz 22 dBm 26 dBm
MIMO 2.4 GHz 5 GHz 6 GHz 2 x 2 (UL MU-MIMO) 4 x 4 (DL/UL MU-MIMO)	4 x 4 (DL/UL MU-MIMO)	Throughput rate 2.4 GHz 5 GHz 6 GHz 73.5 Mbps 4.8 Gbps 4.8 Gbps	Antenna gain 2.4 GHz 5 GHz 6 GHz 3.2 dBi 5.3 dBi 6 dBi
LEDs White/blue	Button Reboot and factory-reset	Mounting Wall/ceiling (included)	Operating temperature -30 to 60° C (-22 to 140° F)
Operating humidity 5 to 95% noncondensing	Certifications CE, FCC, IC	Software WiFi standards 802.11a/b/g WiFi 4/WiFi 5/WiFi 6/WiFi 6E	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 (Mbps) 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 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)	802.11ax (WiFi 6/6E) 7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)	Application Requirements UniFi Network	Version 7.2.91 and later