UniFi 6 Enterprise

Datasheet
U6-Enterprise

Access Point U6 Enterprise



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Mechanical

Dimensions	Ø220 x 48.1 mm (Ø8.66 x 1.89")
Weight	Without mount: 960 g (2.1 lb) With mount: 1090 g (2.4 lb)
Enclosure materials	Top housing: plastic Bottom housing: aluminium
Mount material	SGCC steel

Hardware

Management interface	Ethernet Bluetooth
Networking interface	(1) 2.5GbE RJ45 port
Buttons	Reboot and factory-reset
LED	W/B
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
5-7 GHz	26 dBm

MIMO

2.4 GHz	2 x 2 (UL MU-MIMO)
5 GHz	4 x 4 (DL/UL MU-MIMO)
6 GHz	4 x 4 (DL/UL MU-MIMO)

Throughput 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

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 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 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)

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