UniFi® 6 Professional

Datasheet
U6-Pro

UniFi® Network

Access Point WiFi 6 Pro

Indoor, dual-band WiFi 6 access point that can support over 300 clients with its 5.3 Gbps aggregate throughput rate.

The Access Point WiFi 6 Pro (U6 Pro) is a high-performance, dual-band WiFi 6 access point ideal for home and office use. The U6 Pro is capable of reaching an aggregate throughput rate up to 5.3 Gbps with its 5 GHz (4x4 MIMO) and 2.4 GHz (2x2 MIMO) bands, which allows it to support over 300 concurrently connected clients while maintaining an even, reliable wireless experience across your entire network. It can also isolate your guest traffic to ensure optimal security and speed. The U6 Pro also operates at full 4x4 MIMO with 160 MHz channels to create high-capacity wireless uplinks and facilitate faster data transfer. It can be set up in minutes and fully managed with the UniFi Network application*.

*Managed with the: Dream Machine Pro: Version 1.9.0-12 and later
UniFi Network application: Version 6.1.56 and later

Mechanical

Dimensions	Ø197 x 35 mm (Ø7.76 x 1.38")
Weight	Without mount: 460 g (1.01 lb) With mount: 600 g (1.32 lb)
Enclosure material	Plastic
Mount material	SGCC steel
Weatherproofing	IP54

Hardware

Management interfaces	Ethernet Bluetooth
Networking interface	(1) GbE RJ45 port
Button	Factory reset
LED	RGB
Power method	802.3at PoE+
Power supply	UniFi PoE switch 48V, 0.5A PoE adapter (optional)
Supported voltage range	44 to 57VDC
Max. power consumption	13W

Max. TX power		
	2.4 GHz	22 dBm
	5 GHz	26 dBm

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

Throughput rate		
	2.4 GHz	573.5 Mbps
	5 GHz	4.8 Gbps

Antenna gain		
	2.4 GHz	4 dBi
	5 GHz	6 dBi

Mounting	Wall/ceiling (included)
Operating temperature	-30 to 60° C (-22 to 140° F)
Operating humidity	5 - 95% noncondensing
Certifications	CE, FCC, IC

Software

WiFi standards	802.11a/b/g WiFi 4/WiFi 5/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 (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)	7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)

Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ui.com/support/warranty

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