

## U6-Pro DATASHEET

### Overview

The Ubiquiti UniFi U6-Pro Access Point delivers high-performance WiFi 6 with up to 5.3 Gbps throughput across dual-band 6 spatial streams, supporting over 300 clients. It leverages OFDMA and 4x4 MU-MIMO for efficiency, integrates seamlessly with the UniFi Network Application, and ensures security with WPA3 and guest isolation. Powered by PoE+, its sleek design suits offices and high-density venues.

### QUICK SPEC

FIGURE 1: APPEARANCE OF U6-Pro



TABLE 1: QUICK SPECS OF U6 PRO

SKU	U6-PRO
Description	Dual-band WiFi 6 (802.11ax) Access Point with up to 5.3 Gbps aggregate throughput, supporting 300+ clients
WiFi standard	802.11a/b/g WiFi 4/WiFi 5/WiFi 6
Dimensions	Ø197 x 35 mm (Ø7.76 x 1.38")
Antenna	2.4 GHz: 2x2 MU-MIMO, 4 dBi gain 5 GHz: 4x4 MU-MIMO, 6 dBi gain

## Product Details

FIGURE 2: FRONT PANEL OF U6-Pro



FIGURE 3: BACK PANEL OF U6-Pro



The Ubiquiti UniFi U6-Pro Access Point has the following features:

### 1. Dual-band WiFi 6 (802.11ax)

The U6-Pro operates on both 2.4 GHz and 5 GHz bands using the latest WiFi 6 standard, enabling faster speeds, better efficiency, and improved capacity for multiple devices.

### 2. 5 GHz (4x4 MU-MIMO and OFDMA)

On the 5 GHz band, it uses 4 spatial streams with multi-user multiple input multiple output (MU-MIMO) and Orthogonal Frequency-Division Multiple Access (OFDMA), allowing simultaneous data transmission to multiple devices, which boosts overall network throughput and reduces latency.

### 3. 2.4 GHz (2x2 MU-MIMO and OFDMA)

On the 2.4 GHz band, it supports 2 spatial streams, also with MU-MIMO and OFDMA, improving performance for legacy and low-bandwidth devices.

### 4. Compact, Weather-Resistant Design (IP54)

The access point's small size and IP54-rated enclosure make it suitable for both indoor and outdoor use, resisting dust and splashing water.

### 5. Power over Ethernet (PoE+) Support

It is powered via PoE+, reducing cable clutter by allowing data and power through a single Ethernet cable and consuming up to 13W of power.

## SPECIFICATION

U6-Pro Specification	
MODEL NUMBER	U6-Pro
WIFI STANDARD	802.11a/b/g WiFi 4/WiFi 5/WiFi 6
WEIGHT	With mount: 600 g (1.3 lb) Without mount: 460 g (1 lb)
DIMENSIONS (W x H x D)	Ø197 x 35 mm (Ø7.76 x 1.38")
ENCLOSURE MATERIAL	PLASTIC
MOUNT MATERIAL	SGCC steel

MANAGEMENT INTERFACE	ETHERNET BLUETOOTH
NETWORK INTERFACE	1 GbE RJ45 port
VLAN	802.1Q
BSSID	8 PER RADIO
ADVANCED QoS	PER -USER RATE LIMITING
MIMO	2 x 2 (UL MU-MIMO) : 2.4 GHz 4 x 4 (DL/UL MU-MIMO) : 5GHz
GUEST TRAFFIC ISOLATION	SUPPORTED
CONCURRENT CLIENTS	300+
ANTENNA GAIN	4 dBi (2.4 GHz) 6 dBi (5 GHz)
THROUGHPUT RATE	573.5 Mbps (2.4 GHz) 4.8 Gpbs (5 GHz)
SUPPORTES VOLTAGE RANGE	44 to 57VDC
WIRELESS SECURITY	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
OPERATING TEMPERATURE	-30°C to 60 °C
OPERATING HUMIDITY	5 - 95% noncondensing
MOUNTING	WALL/CEILING
POWER CONSUMPTIONS	13 W
BUTTON	RESET
POWER METHOD	802.3at PoE+
POWER SUPPLY	UniFi PoE switch 48V, 0.5A PoE adapter (optional)
LED	RGB
CERTIFICATIONS	CE, FCC, IC

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## CONTACT US

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