

Q u6 mesh pro

Switching

WiFi

Camera Security

Door Access

Integrations

Advanced Hosting

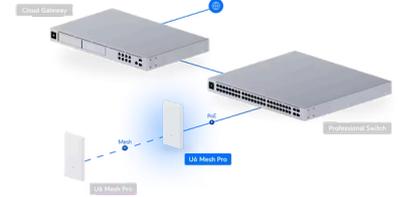
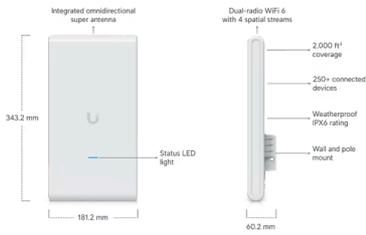
Outdoor > U6 Mesh Pro

Datasheet

In The Box

Marketing Images

Installation Guide



^ Overview

Dimensions	343.2 x 181.2 x 60.2 mm (13.5 x 7.1 x 2.4")
WiFi Standard	WiFi 6
Spatial Streams	4
Coverage Area	185 m ² (2,000 ft ²)
Max. Client Count	250+
Uplink	GbE
Mounting	Wall, Pole (Mounts Included)
Weatherproofing	IPX6
Power Method	PoE

^ Performance

MIMO	
5 GHz	2 x 2 (DL/UL MU MIMO)

2.4 GHz	2 x 2 (DL/UL MU-MIMO)
Max. Data Rate	
5 GHz	2.4 Gbps (BW160)
2.4 GHz	573.5 Mbps (BW40)
Antenna Gain	
5 GHz	8 dBi
2.4 GHz	8 dBi
Max. TX Power	
5 GHz	27 dBm
2.4 GHz	22 dBm
Max. BSSIDs	8 per Radio
Supported Data Rates	
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15 , HT 20/40)

^ Features

Wireless Meshing	✓
Band Steering	✓
802.11v BSS Transition Management	✓
802.11r Fast Roaming	✓
802.11k Radio Resource Management (RRM)	✓
Advanced Radio Management	✓
Passpoint (Hotspot 2.0)	✓
Captive Hotspot Portal	
Custom Branding Landing Page	✓
Voucher Authentication	✓
Payment-Based Authentication	✓

External Portal Server Support	✓
Password Authentication	✓
Guest Network Isolation	✓
Private Pre-Shared Key (PPSK)	✓
WiFi Speed Limiting	✓
Client Device Isolation	✓
WiFi Schedules	✓
RADIUS over TLS (RadSec)	✓
Dynamic RADIUS-assigned VLAN	✓
^ Hardware	
Max. Power Consumption	9W
Includes PoE Adapter	✓
Supported Voltage Range	42.5—57V DC
Networking Interface	(2) GbE RJ45 ports
Weight	819 g (1.8 lb)
Pole Mount Diameter	1-2.5" (25-63.5 mm)
Management	Ethernet WiFi
Enclosure Material	UV-stabilized polycarbonate
Mount Material	Aluminum alloy, steel
LEDs	
System	White/Blue
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160 (MHz)
NDAA Compliant	✓
Certifications	CE, FCC, IC, Anatel
Operating Frequency	US/CA: 2400 - 2472 MHz U-NII-1: 5150 - 5250 MHz U-NII-2A: 5250 - 5350 MHz U-NII-2C: 5470 - 5725 MHz U-NII-3: 5725 - 5850 MHz

Worldwide:
2400 - 2483.5 MHz
5150 - 5725 MHz

Ambient Operating Temperature -30 to 60° C (-22 to 140° F)

Ambient Operating Humidity 5 to 95% noncondensing

^ **Software**

Application Requirements

UniFi Network Version 8.1.127 and later

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