

UniFi UISP Branding

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U7 Pro XG Wall

U7-Pro-XG-Wall

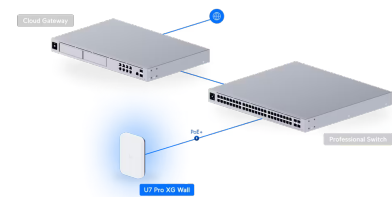
Datasheet

In The Box

Marketing Images

Accessories

Installation Guide



^ Overview

Dimensions	155 x 108 x 33.5 mm (6.1 x 4.3 x 1.3")
WiFi Standard	WiFi 7 ⓘ
Spatial Streams	6
Coverage Area	140 m² (1,500 ft²)
Max. Client Count	300+
Uplink	10 GbE
Mounting	Wall
Power Method	PoE+

^ Performance

MIMO

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

Max. Data Rate

6 GHz	5.8 Gbps (BW320)
5 GHz	4.3 Gbps (BW240)
2.4 GHz	688 Mbps (BW40)

Antenna Gain

6 GHz	6 dBi
5 GHz	6 dBi
2.4 GHz	4 dBi

Max. TX Power

6 GHz	24 dBm
5 GHz	26 dBm
2.4 GHz	23 dBm

Max. BSSIDs

8 per Radio

Supported Data Rates

802.11be (WiFi 7)	6 GHz: 7.3 Mbps to 5.8 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/320) 5 GHz: 7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)
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	22W
Supported Voltage Range	42.5-57V DC
Networking Interface	(1) 10 GbE RJ45 port
Weight	505 g (1.1 lb)
Management	Ethernet
Enclosure Material	Polycarbonate, aluminum alloy
Mount Material	Aluminum alloy
LEDs	
System	W/B
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240/320 (MHz)
NDAA Compliant	✓
Certifications	CE, FCC, IC
Ambient Operating Temperature	-30 to 40° C (-22 to 104° F)
Ambient Operating Humidity	5 to 95% noncondensing

^ **Software**

Application Requirements

UniFi Network	Version 10.0 and later
Mobile App	iOS™ version 10.29.3 and later Android™ version 10.31.1 and later

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