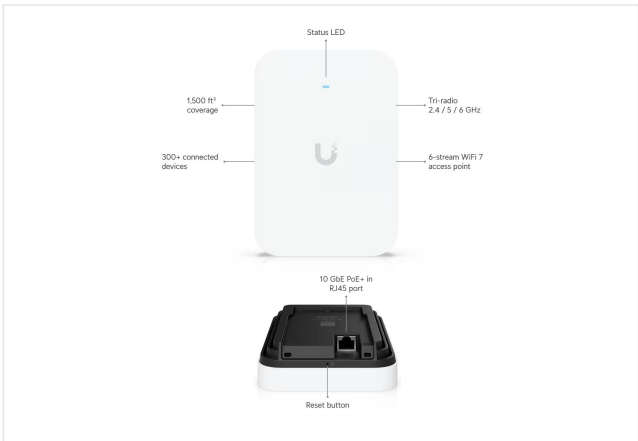


UB-UAP-U7-PRO-XG-IW

Ubiquiti UniFi WiFi 7 Pro XG In-Wall Indoor Access Point

Product Overview

Ubiquiti UniFi WiFi 7 Pro XG In-Wall Indoor Access Point, U7-Pro-XG-Wall, 6 spatial streams, 140 m2 coverage area, 300+ Maximum Client count, PoE+ Power Method, 5.8 Gbps @ 6GHz, 4.3 Gbps @ 5GHz, 688 Mbps @ 2.4GHz, 1x 10 GbE RJ45 Port Networking Interface



Specifications

Overview Summary:

The Ubiquiti UniFi U7 Pro XG In-Wall Access Point delivers next-generation WiFi 7 performance with ultra-fast speeds and reliable connectivity for demanding environments. Designed for wall-mounted installations, it provides seamless coverage up to 140 m² and supports over 300 connected devices, making it ideal for modern homes, offices, and commercial spaces. With a powerful 10 GbE uplink and PoE+ support, it ensures high-speed data transfer and simplified deployment.

Built for efficiency and scalability, this access point integrates advanced wireless technologies like MU-MIMO and fast roaming to maintain stable connections across multiple devices. Whether you're upgrading your network or building a high-performance setup, this solution offers exceptional throughput across 6 GHz, 5 GHz, and 2.4 GHz bands. Shop now to experience faster, more reliable wireless networking.

Performance tier: High-end / Enterprise-grade

Uses: business networks, office WiFi deployment, home networking upgrades, high-density environments, seamless wireless coverage

Overview:

The Ubiquiti UniFi WiFi 7 Pro XG In-Wall access point is engineered for high-density environments that demand exceptional wireless throughput and stability. Designed for wall-mounted deployment, it integrates the latest WiFi 7 standard with multi-gigabit wired connectivity, making it suitable for modern enterprise networks, hospitality spaces, and advanced home installations. With support for 6 GHz spectrum and a 10 GbE uplink, it delivers ultra-fast data transfer while maintaining consistent performance across a wide coverage area.

Description:

The U7 Pro XG In-Wall access point combines next-generation WiFi 7 performance with a compact, wall-mounted form factor to deliver reliable, high-speed connectivity in demanding environments. It supports tri-band operation across 2.4 GHz, 5 GHz, and 6 GHz, enabling efficient traffic distribution and reduced congestion. With six spatial streams and advanced MU-MIMO capabilities, it ensures smooth performance for hundreds of connected devices simultaneously. The integrated 10 GbE port allows for ultra-fast wired backhaul, while PoE+ simplifies installation by reducing cable requirements. Ideal for offices, hotels, and smart homes, it offers seamless roaming, intelligent traffic management, and enterprise-grade network control through the UniFi ecosystem.

Features:

High-Speed WiFi 7 Performance for Dense Environments

Built on the WiFi 7 standard, this access point unlocks significantly higher throughput and lower latency compared to previous generations. Its tri-band design ensures optimal performance across all connected devices, whether handling bandwidth-intensive applications or large numbers of concurrent users.

Key wireless capabilities include:

- 6 spatial streams for improved multi-device efficiency
- Tri-band operation across 2.4 GHz, 5 GHz, and 6 GHz
- Advanced MU-MIMO for simultaneous data transmission
- Up to 300 plus concurrent client connections
- Coverage area of up to 140 square meters

Multi-Gigabit Connectivity and Flexible Deployment

The inclusion of a 10 GbE RJ45 port ensures that wired backhaul does not become a bottleneck, enabling full utilization of WiFi 7 speeds. Wall-mounted installation makes it ideal for discreet placement in offices, corridors, or hotel rooms while maintaining strong signal distribution.

Core connectivity and installation details:

- 1 x 10 GbE RJ45 networking interface
- PoE plus power input for simplified cabling
- Compact dimensions of 155 x 108 x 33.5 mm
- Durable enclosure with polycarbonate and aluminum alloy construction
- Lightweight design at approximately 505 g

Advanced Wireless Control and Network Optimization

This model integrates enterprise-grade features that enhance user experience and simplify network management. Intelligent radio management and seamless roaming ensure consistent connectivity across large deployments.

Notable network management capabilities:

- Band steering for optimal frequency allocation
- Fast roaming support with 802.11r
- Radio resource management via 802.11k
- BSS transition management with 802.11v
- Wireless meshing for extended coverage
- Support for up to 8 BSSIDs per radio

Secure Guest Access and Authentication Options

Designed with flexibility in mind, the access point supports a wide range of authentication and guest management options. This makes it suitable for both private networks and public-facing deployments.

Authentication and access control highlights:

- Custom branded captive portal support
- Voucher and password-based authentication
- Payment-based access capability
- External portal server integration
- Guest network and client isolation
- Private pre-shared key support
- Dynamic VLAN assignment via RADIUS
- RADIUS over TLS for secure authentication

Performance Metrics and Radio Specifications

The U7 Pro XG In-Wall delivers strong throughput across all bands, ensuring reliable performance for modern applications such as streaming, conferencing, and cloud services.

Key performance figures:

- 6 GHz speeds up to 5.8 Gbps with 320 MHz bandwidth
- 5 GHz speeds up to 4.3 Gbps with 240 MHz bandwidth
- 2.4 GHz speeds up to 688 Mbps with 40 MHz bandwidth
- Maximum transmit power up to 26 dBm on 5 GHz
- Antenna gain up to 6 dBi on 5 GHz and 6 GHz bands

Power and Environmental Tolerance

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Product Specification Sheet

The device is built to operate reliably across a wide range of conditions while maintaining efficient power consumption.

Operational details:

- Maximum power consumption of 22W
- Voltage range of 42.5 to 57V DC
- Operating temperature from minus 30 to 40 degrees Celsius
- Humidity tolerance between 5 and 95 percent non-condensing

Application and Management Requirements

This access point integrates seamlessly into the UniFi ecosystem, enabling centralized control and monitoring through both desktop and mobile platforms.

Requirements include:

- UniFi Network version 10.0 or later
- iOS app version 10.29.3 or newer
- Android app version 10.31.1 or newer

For identification and ordering, the part number for this model is UB-UAP-U7-PRO-XG-IW, which aligns with the U7-Pro-XG-Wall designation in the UniFi product lineup.

Specifications:

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 m ² (1,500 ft ²)
Max. Client Count	300+
Uplink	10 GbE
Mounting	Wall
Power Method	PoE+
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

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Product Specification Sheet

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	Yes
Band Steering	Yes
802.11v BSS Transition Management	Yes
802.11r Fast Roaming	Yes
802.11k Radio Resource Management (RRM)	Yes
Advanced Radio Management	Yes
Passpoint (Hotspot 2.0)	Yes
Captive Hotspot Portal	
Custom Branding Landing Page	Yes
Voucher Authentication	Yes
Payment-Based Authentication	Yes
External Portal Server Support	Yes
Password Authentication	Yes
Guest Network Isolation	Yes
Private Pre-Shared Key (PPSK)	Yes
WiFi Speed Limiting	Yes
Client Device Isolation	Yes
WiFi Schedules	Yes
RADIUS over TLS (RadSec)	Yes
Dynamic RADIUS-assigned VLAN	Yes
Hardware	
Max. Power Consumption	22W

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Product Specification Sheet

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	Yes
Certifications	CE, FCC, IC
Ambient Operating Temperature	-30 to 40degrees C (-22 to 104degrees F)
Ambient Operating Humidity	5 to 95% noncondensing
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

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx.co.za/UB-UAP-U7-PRO-XG-IW-Ubiquiti-UniFi-WiFi-7-Pro-XG-In-Wall-Indoor-Access-Point-p-335576.php>

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