

UniFi UISP Branding

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Switching WiFi Camera Security Door Access Integrations Advanced Hosting

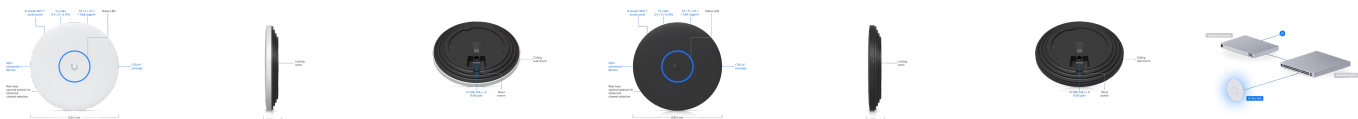
Flagship > U7 Pro XGS

Datasheet

In The Box

Marketing Images

Installation Guide



Overview

Dimensions	Ø215 x 32.5 mm (Ø8.5 x 1.3")
WiFi Standard	WiFi 7
Spatial Streams	8
Coverage Area	160 m² (1,750 ft²)
Max. Client Count	500+
Uplink	10 GbE
Mounting	Ceiling, Wall (Lite Mount Included)
Power Method	PoE++

Performance

MIMO	
6 GHz	2 x 2 (DL/UL MU-MIMO)
5 GHz	4 x 4 (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	8.6 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	29 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 8.6 Gbps (MCS0 - MCS13 NSS1/2/3/4, EHT 20/40/80/160/240)
802.11ax (WiFi 6)	7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11n	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)

^ **Features**

Wireless Meshing	✓
Band Steering	✓
802.11v BSS Transition Management	✓
802.11r Fast Roaming	✓
802.11k Radio Resource Management (RRM)	✓
Zero-Wait DFS	✓
Advanced Radio Management	✓

Real-Time Spectral Analysis	✓
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	29W
Supported Voltage Range	42.5—57V DC
Networking Interface	(1) 10 GbE RJ45 port
Weight	800 g (1.8 lb)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Stainless steel (SUS304), galvanized steel (SGCC)
LEDs	
System	White/Blue
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 9.0.114 and later (U7 Pro XGS - White)
Version 9.1.120 and later (U7 Pro XGS - Black)

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