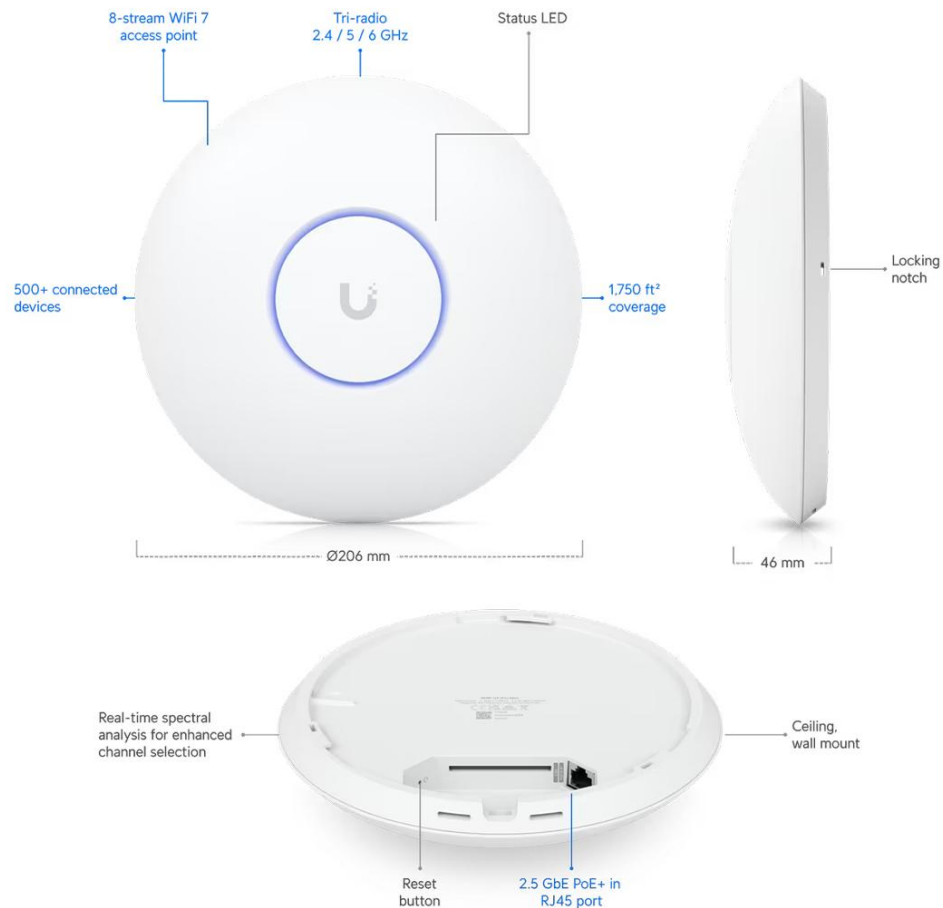




U7 Pro Max

U7-Pro-Max



Overview

Dimensions	Ø206 x 46 mm (Ø8.1 x 1.8")
WiFi Standard	WiFi 7
Spatial Streams	8
Coverage Area	160 m² (1,750 ft²)
Max. Client Count	500+
Uplink	2.5 GbE

Mounting	Ceiling, Wall (Pro Mount Included)
Power Method	PoE+

Performance

Processor	Quad-core ARM® Cortex®-A53 at 1.4 GHz
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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	5.9 dBi
• 5 GHz	6 dBi
• 2.4 GHz	4 dBi

Max. TX Power

• 6 GHz	23 dBm
• 5 GHz	29 dBm
• 2.4 GHz	23 dBm

Max. BSSIDs	8 per Radio
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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 6/6E)	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)	✓
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	25W
Supported Voltage Range	44–57V DC
Networking Interface	(1) 1/2.5 GbE RJ45 port
Weight	680 g (1.5 lb)
Management	Ethernet
Enclosure Material	Polycarbonate, aluminum
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, 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 U-NII-5 to U-NII-8 : 5925 - 7125 MHz
	Worldwide: 2400 - 2483.5 MHz 5150 - 5725 MHz 5925 - 7125 MHz
Ambient Operating Temperature	-30 to 50° C (-22 to 122° F)
Ambient Operating Humidity	5 to 95% noncondensing

Software

Application Requirements

- | | |
|-----------------|--------------------------|
| • UniFi Network | Version 8.2.93 and later |
|-----------------|--------------------------|

For more information about this product or other Ubiquiti products, please visit: <https://techspecs.ui.com>