

Access-Point UbiQuiti UniFi U7-Pro-Max – Technisches Datenblatt

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

MIMO: 6 GHz: 2x2 (DL/UL MU-MIMO)

5 GHz: 4x4 (DL/UL MU-MIMO)

2.4 GHz: 2x2 (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

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
- 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: Yes

Certifications: CE, FCC, IC, Anatel

Operating Frequency: US/CA: 2400-2472 MHz; U-NII-1 to U-NII-8: 5150-7125 MHz
Worldwide: 2400-2483.5 MHz, 5150-5725 MHz, 5925-7125 MHz

Ambient Operating Temperature: -30 to 50° C

Ambient Operating Humidity: 5 to 95% noncondensing

Software

Application Requirements: UniFi Network Version 8.2.93 and later