

^ Overview

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|-------------------|---|
| Dimensions | Ø215 x 32.5 mm (Ø8.5 x 1.3") |
| WiFi Standard | WiFi 7 |
| Spatial Streams | 8 |
| Coverage Area | 160 m ² (1,750 ft ²) |
| 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 |

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|----------------------|--|
| 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) | ✓ |

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|------------------------------|---|
| 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 |
| Operating Frequency | <p>US/CA:</p> <p>2400 - 2472 MHz</p> <p>U-NII-1: 5150 - 5250 MHz</p> <p>U-NII-2A: 5250 - 5350 MHz</p> <p>U-NII-2C: 5470 - 5725 MHz</p> <p>U-NII-3: 5725 - 5850 MHz</p> <p>U-NII-5 to U-NII-8 : 5925 - 7125 MHz</p> <p>Worldwide:</p> <p>2400 - 2483.5 MHz</p> <p>5150 - 5725 MHz</p> <p>5925 - 7125 MHz</p> |
| 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)