DataSheet

🔍 Overview

- **Dimensions: Ø160 x 33 mm (Ø6.3 x 1.3")**

- **WiFi Standard: WiFi 6**

- **Spatial Streams: 4**

- **Coverage Area: 140 m² (1,500 ft²)**

- **Max. Client Count: 300+**

- **Uplink: GbE**

- **Mounting: Ceiling, Wall (Mounts Included)**

- **Power Method: PoE**

⚙️ Performance

- **MIMO**
  - **5 GHz: 2x2 (DL/UL MU-MIMO)**
  - **2.4 GHz: 2x2 (DL/UL MU-MIMO)**

- **Max. Data Rate**
  - **5 GHz: 2.4 Gbps (BW160)**
  - **2.4 GHz: 573.5 Mbps (BW40)**

- **Antenna Gain**
  - **5 GHz: 5.4 dBi**
  - **2.4 GHz: 3 dBi**

- **Max. TX Power**
  - **5 GHz: 23 dBm**
  - **2.4 GHz: 23 dBm**

- **Max. BSSIDs: 8 per radio**

- **Supported Data Rates**
  - **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 Mesh ✓**

- **Band Steering ✓**

- **802.11v BSS Transition Management ✓**

- **802.11r Fast Roaming ✓**

- **802.11k Radio Resource Management ✓**

- **Advanced Radio Management ✓**

- **Passpoint (Hotspot 2.0) ✓**

- **Captive Portal**
  - **• Custom-branded landing page ✓**
  - **• Voucher authentication ✓**
  - **• Payment-based authentication ✓**
  - **• External portal server support ✓**
  - **• Password authentication ✓**

- **Guest Network Isolation ✓**

- **Private Pre-Shared Key (PPSK) ✓**

- **WiFi Rate Limiting ✓**

- **Client Device Isolation ✓**

- **WiFi Scheduling ✓**

- **RADIUS over TLS (RadSec) ✓**

- **Dynamic VLAN Assignment via RADIUS ✓**

🛰️ Hardware

- **Max. Power Consumption: 9W**

- **Supported Voltage Range: 44–57 V DC**

- **Network Interface: (1) GbE RJ45 Port**

- **Weight:**
  - **Device: 338 g (11.9 oz)**
  - **With Mount: 413 g (14.6 oz)**

- **Management: Ethernet**

- **Enclosure Material: Polycarbonate, Aluminum**

- **Mount Material: ABS, SGCC Steel**

- **System LED: White / Blue**

- **Channel Bandwidth:**
  - **HT 20/40**
  - **VHT 20/40/80/160**
  - **HE 20/40/80/160 (MHz)**

- **NDAA Compliant: ✓**

- **Certifications: CE, FCC, IC, Anatel, SRRC**

📡 Operating Frequency

- **United States/California:**
  - **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**

- **General Use:**
  - **• 2400 - 2483.5 MHz**
  - **• 5150 - 5725 MHz**

- **Operating Temperature: -30 to 60° C (-22 to 140° F)**

- **Operating Humidity: 5 to 95% Non-Condensing**

💻 Software

- **Application Requirement: UniFi Network**

- **Minimum Version: 7.3.76 or later**