

Technical Specifications

Performance

- **Max Throughput:**
PTP/PTMP: 700 Mbps IP (866 Mbps PHY)
- **Wireless Protocols:**
WiFi Interop
Mimosa SRS
- **Modes:**
PTMP Client
PTP Backhaul

Radio

- **MIMO and Modulation:**
2x2:2 MIMO OFDM up to 256-QAM
- **Bandwidth**:**
20/40/80 MHz channels tunable to 5 MHz increments for Mimosa SRS; Tunable to standard WiFi channels for WiFi Interop
- **Frequency Range:**
PTMP: 4900–6400 MHz*
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Restricted by country of operation
'new' US/FCC 5600-5650 MHz support
- **Max Output Power:**
27 dBm
- **Sensitivity (MCSO):**
-87 dBm @ 80 MHz
-90 dBm @ 40 MHz
-93 dBm @ 20 MHz

Power

- **Max Power Consumption:**
12.9 W
- **System Power Method:**
Passive PoE (24-56VDC)
- **PoE Power Supply:**
Passive PoE compliant, 48-56 V Power over Ethernet supply (included)

Physical

- **Dimensions:**
Depth: 44.0 mm (1.73")
Width: 65 mm (2.56")
Height: 188.4 mm (7.42")
- **Weight:** 295 gr (10.4 ounces)
- **Mounting:** Single pole strap
- **Connector Type:** (2) RP-SMA (female)

Environmental

- **Operating Temperature:**
-40°C to +55°C (-40°F to 131°F)
- **Operating Humidity:**
5 to 100% condensing
- **Outdoor Ingress Protection Rating:**
IP55
- **Operating Altitude:**
4,420 m (14,501') maximum
- **Shock and Vibration:**
ETS 300-019-2-4 class 4M5

Features

- **Gigabit Ethernet:**
10/100/1000-BASE-T
- **Management Services:**
Mimosa cloud monitoring and management
SNMPv2 & Syslog legacy monitoring
HTTPS
HTML5 based web UI
- **Smart Spectrum Management:**
Active scan monitors/logs ongoing RF interference across channels with no service impact; Dynamic auto-optimization of channel and bandwidth use
- **Security:**
WPA2 PSK & Enterprise 802.1x; Radius provisioning, COA, DM (from A5); 128-bit AES with hardware acceleration
- **VLANs:**
Per subscriber VLAN; Q-in-Q, triple tagging; Management VLAN
- **QoS:**
Supports 4 pre-configured QoS levels

Regulatory and Compliance

- **Approvals:**
FCC Part 15.407 and Part 90Y, IC RSS210, CE, ETSI 301 893/302 502
- **RoHS Compliance:** Yes
- **Safety:** UL/EC/EN/ 60950-1 + CSA-22.2

*Extended PTMP frequency, above 6.2 GHz, requires A5/A5c access point with P/N 100-000xx-01

**4.9 GHz uses 20 MHz channel widths (US only, regulations vary by region)



C5c on Pole

Point-to-Point (Backhaul)



Point-to-Multipoint

Mimosa Networks, a wholly owned subsidiary of Radisys, is the global technology leader in wireless broadband solutions, enabling service providers to connect dense urban and hard-to-reach rural homes at a fraction of the cost of fiber. Mimosa Networks was acquired in 2023 by Radisys, the global leader in open telecom solutions.