



Impress Your Clients

The Mimosa C5 is a blazing fast and rugged endpoint client device for most deployment applications. Incorporating unique technology, the product is ideal for professionally installed suburban and rural fixed wireless applications.

Fiber Speeds to the Home

The C5 delivers the speed businesses and consumers need at a fraction of the cost of fiber to the premise.

TDMA GPS Sync Client

Upstream bandwidth and latencies are allocated on demand, enabling significantly higher overall upstream network bandwidth allocation.

Rugged and Affordable

Protection from harsh environments now comes at an affordable price. The C5 includes sealing gel and a unique cable protector that easily accommodates unterminated or pre-terminated RJ-45 cable connectors.

Mounting Options Galore

As every installation is unique, the C5 is designed to easily attach to specially designed optional mounting accessories.

Compact and Powerful

Delivers incredible range with cutting-edge dual 45° slant polarization design and aperture efficiency of greater than 50%, all in the smallest design possible.

Multi-User MIMO

Multiple clients on the same access point are coordinated to simultaneously share spectrum "spatially" via unique antenna beamforming.

Technical Specifications

Performance

- **Max Throughput:**
500+ Mbps IP (866 Mbps PHY)
- **Wireless Protocols:**
WiFi Interop, Mimosa GPS Sync (TDMA)**
- **Modes:**
Client Mode only

Radio

- **MIMO & Modulation:**
2x2:2 MIMO OFDM up to 256-QAM
- **Bandwidth*:**
20/40/80 MHz channels tunable in 5 MHz increments for GPS Sync; tunable to standard WiFi channels for WiFi Interop
- **Frequency Range:**
4900 - 6200 MHz restricted by country of operation ('new' US/FCC 5600-5650 support)
- **Max Output Power:**
20 dBm
- **Sensitivity (MCS 0):**
-87 dBm @ 80 MHz
-90 dBm @ 40 MHz
-93 dBm @ 20 MHz

Antenna

- **Gain:**
20 dBi
- **Beamwidth (3 dB):**
14° (azimuth and elevation)
- **Cross-Polar isolation:**
>20 dB
- **Polarization:**
Dual 45° slant polarization

Physical

- **Dimensions:**
Width: 153.31 mm (6.04")
Diameter: 260.33 mm (10.25")
Weight: 0.72 kg (1.59 lbs)
- **Enclosure Characteristics:**
Outdoor UV-stabilized engineered polymer
- **Wind Survivability:**
200 km/h (125 mph)
- **Wind Loading:**
39 kg @ 160 km/h (86 lbs @ 100 mph)
- **Mounting:**
Single pole strap feed point integrated into plastic back plate with integrated curvature for contact with mounting poles. Azimuth and Elevation adjustability only provided

via J-Mount and FlexiMount elevation adjustment and hose clamp loosened rotation on the pole.

Power

- **Max Power Consumption:**
7W
- **System Power Method:**
802.3at compliant
- **PoE Power Supply:**
Passive POE compliant, 48-56 V Power over Ethernet supply with IEC61000-4-5 surge protection (sold separately)

Environmental

- **Operating Temperature:** -40°C to +55°C (-40°F to 131°F)
- **Operating Humidity:** 5 to 100% condensing
- **Operating Altitude:** 4,420 m (14,500') maximum
- **Shock & Vibration:** ETS 300-019-2-4 class 4M5

Features

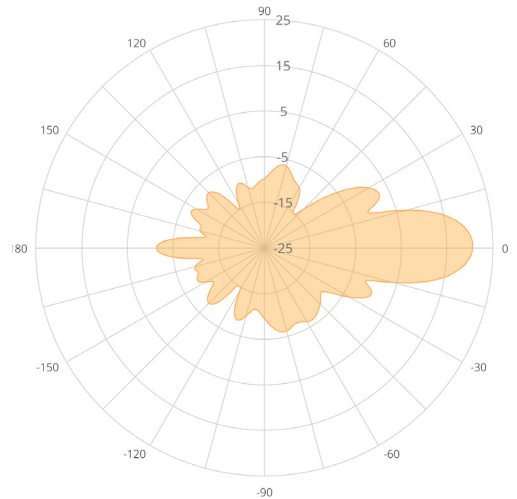
- **Gigabit Ethernet:**
10/100/1000-BASE-T
- **Multi-User MIMO**:**
CPE is MU-MIMO capable
- **Management Services:**
Mimosa cloud monitoring and management SNMPv2 & Syslog legacy monitoring HTTPS HTML 5 based Web UI
- **Smart Spectrum Management:**
Active scan monitors/logs ongoing RF interference across channels (no service impact). Dynamic auto-optimization of channel and bandwidth use
- **Security:**
WPA2 + Mimosa 802.1x RADIUS
- **QoS:**
Supports 4 pre-configured QoS levels

Regulatory + 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

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

** Enabled in future software release



C5 Azimuth Polar Plot



C5 with Mount