



## 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

Features a unique cable boot environmental protector and sealing gel. Accommodates installation practice for 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.

### Flexible Antenna Options

Connects to any dual polarization antenna to custom engineer longer distance client links.

### 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

### 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 in 20 MHz increments 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

### 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

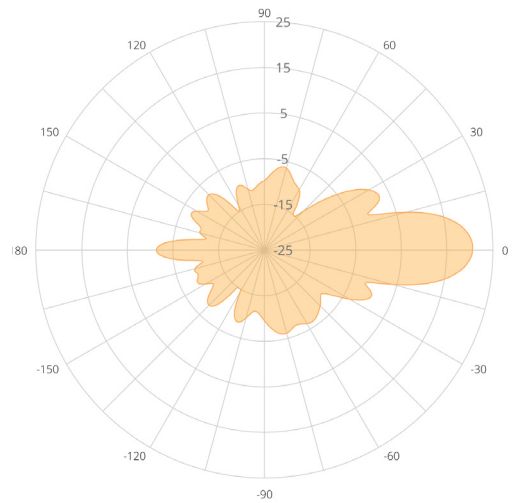
### Features

- **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)  
\*\* Anticipated by product shipment



C5 Azimuth Polar Plot



C5 with Mount