

Expanding MicroPoP Coverage

N5-360 Antenna

4.9–6.4 GHz



Introducing the industry's first 4-port, beamforming, 360° antenna specifically designed exclusively for Mimosa's A5c access point. The N5-360 antenna's unique design incorporates quad-180° overlapping antenna polarizations, doubling the coverage of Mimosa MicroPoP deployments with 3 dB of beamforming gain. The N5-360 boosts throughput by providing balanced dual-stream coverage over 360° of azimuth. Without sacrificing performance, the N5-360 operates over a wide frequency range, from 4.9 to 6.4 GHz, supporting licensed public safety bands and other expanded frequencies, where permitted by region.

Longer-Range MicroPoPs

Double the coverage area with 60% longer reach for MicroPoP deployments, easily handling deployments to homes within 500 m in dense, last mile, suburban areas.

Wide-Frequency Range

The only antenna available for use between 4.9 to 6.4 GHz, delivering incredible spectrum flexibility.

Optimized for 360° Throughput

Enhanced C5 and C5c subscriber speeds through new, balanced, multi-stream technology.

Beamforming Innovation

3 dB performance enhancement in a compact design, with all new quad-180° overlapping antenna polarizations that enable range-extending, beamforming technology.

Technical Specifications

Antenna

- **Gain:** 15 dBi
- **Frequency:** 4900–6400 MHz
- **Polarization:** Dual H+V
- **Azimuth Beamwidth:** 360° via 4 overlapping 180° sectors
- **Elevation Beamwidth (3 db):** 8°
- **Downtilt:** 2°
- **Cross-Polar Isolation:** >40 dB
- **Port-to-Port Isolation:** >25 dB
- **Impedance:** 50 Ω
- **Max Input Power:** 30 dBm



Physical

- **Dimensions:**
Height: 492 mm (19.37") including connectors
Width: 80 mm (3.15")
- **Weight:** 1.11 kg (2.45 lbs)
- **RF Connectors:** 4 N-type female
- **RF Connectors Position:** Bottom of antenna
- **Enclosure Characteristics:**
Outdoor, UV stabilized, engineered polymer
- **Mounting:** Dual-pole strap feed points integrated into painted metal base; Max pole diameter is 5.7 cm (2.25")
- **Wind Survivability:** 200 km/h (125 mph)
- **Wind Loading:** 4.77 kg @ 160 km/h (10.49 lbs @ 100 mph)

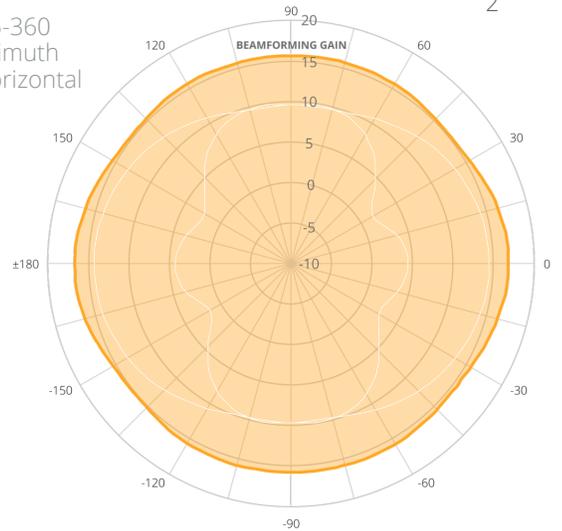
Environmental

- **Outdoor Ingress Protection Rating:** IP67
- **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') max
- **Shock & Vibration:** ETS 300-019-2-4 class 4M5

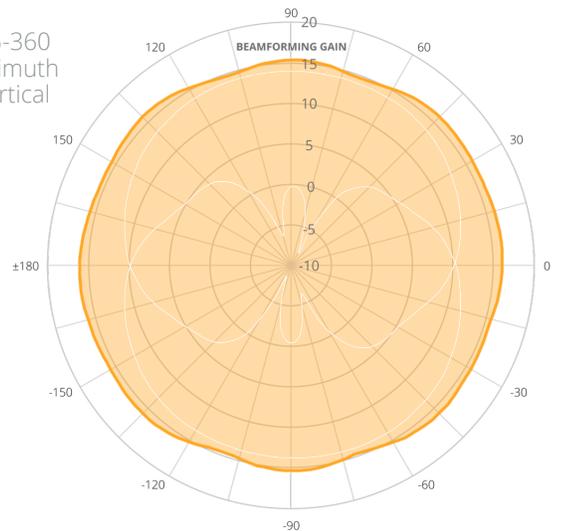
Regulatory and Compliance

- **RoHS Compliance:** Yes

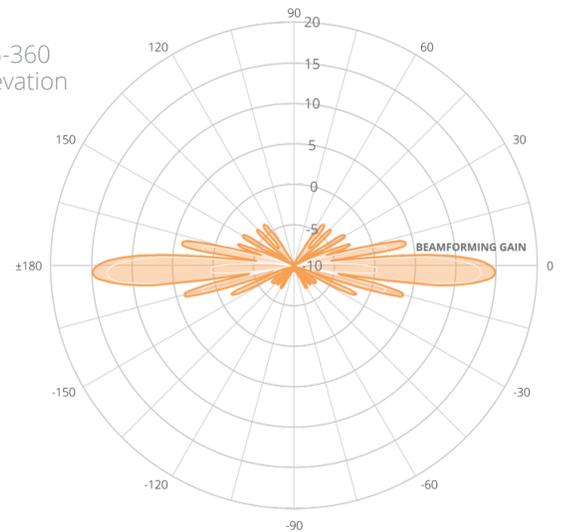
N5-360
Azimuth
Horizontal



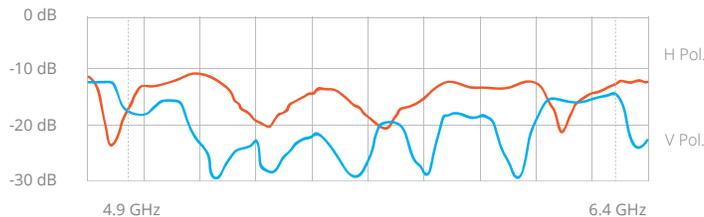
N5-360
Azimuth
Vertical



N5-360
Elevation



N5-360 Return Loss



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 Corporation, a wholly owned subsidiary of Jio Platforms Limited.