

N5-X Antennas | Modular Antennas

Precision-engineered twist-on antennas designed to optimize performance, reduce interference, and adapt to any deployment scenario.

The Mimosa N5-X Antenna family delivers flexible, high-performance antenna options designed to meet the evolving needs of modern fixed wireless networks—from broad coverage applications to long-range, high-capacity precision links. Purpose-built for seamless integration with the Mimosa C6x, C6x Lite Edition, and B6x platforms, N5-X antennas help operators optimize signal quality, improve link stability, and reduce interference using Mimosa’s simple twist-on architecture. With multiple gain and beamwidth options available, operators can tailor deployments for point-to-multipoint access, last-mile connectivity, or carrier-grade backhaul without adding unnecessary complexity to installation or network expansion.



Designed for real-world deployment flexibility, the N5-X portfolio enables operators to deploy smarter while adapting to changing coverage and capacity requirements over time. For longer-distance or higher-throughput backhaul applications, Mimosa recommends pairing the B6x with the high-gain N5-X30 antenna to maximize performance and link efficiency. Mimosa also offers adapter options for select deployment scenarios, including support for certain third-party dish integrations where additional mounting or interface compatibility may be required. Whether extending broadband into rural communities, supporting dense suburban growth, or building scalable multi-link wireless infrastructure, the N5-X family provides the right gain, coverage, and deployment flexibility to help operators build reliable networks with confidence.

Compatible With Mimosa Radios






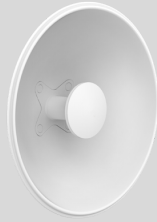

B6x



C6x



C6x Lite Edition

					
Product	N5-X12 (horn)	N5-X16 (horn)	N5-X20 (dish)	N5-X25 (dish)	N5-X30kp (dish)
Part Number	100-00086	100-00087	100-00088 - 2PK 100-00090 - 8PK	100-00091 - 8PK	100-00124
Gain	12 dBi	16 dBi	20 dBi	25 dBi	30 dBi
Polarization	Dual-slant 45°	Dual-slant 45°	Dual-slant 45°	Dual-slant 45°	Dual-slant 45°
Beamwidth, Symmetric (3 dB)	38°	22°	12°	8°	5.5° – 6°
Front-to-Back Ratio (min)	29 dB	50 dB	35 dB	40 dB	35 dB
Front-to-Side Ratio (min)	27 dB	43 dB	37 dB	> 45 dB	30–35 dB
Weight	0.16 kg (0.35 lbs)	0.61 kg (1.35 lbs)	0.77 kg (1.70 lbs)	0.98 kg (2.15 lbs)	6.5 kg
Dimensions	Diameter: 76 mm (2.99") Depth: 67 mm (2.63")	Diameter: 160 mm (6.29") Depth: 116 mm (4.57")	Diameter: 270 mm (10.63") Depth: 83 mm (3.27")	Diameter: 429 mm (16.89") Depth: 116 mm (4.57")	Diameter: 600 mm (23.62") Depth: 330.2 mm (13")
Mount	Mimosa N5-X twist-on	Mimosa N5-X twist-on	Mimosa N5-X twist-on	Mimosa N5-X twist-on	Mimosa N5-X twist-on
Wind Survivability	200 km/h (125 mph)	200 km/h (125 mph)	200 km/h (125 mph)	200 km/h (125 mph)	200 km/h (125 mph)
Wind Loading	3.27 kg @ 160 km/h (7.20 lbs @ 100 mph)	5.13 kg @ 160 km/h (11.30 lbs @ 100 mph)	14.55 kg @ 160 km/h (32.07 lbs @ 100 mph)	36.26 kg @ 160 km/h (79.95 lbs @ 100 mph)	~45–55 kg @ 160 km/h (100 mph)

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. DS- 2026-05-N5-X-Antennas.

