

MIMO HIGH-GAIN PANEL ANTENNA - 16dBi

900MHz Antenna Spec Sheet



Mimomax Panel Antenna is a high-gain, rugged and wide-band antenna suitable for radio sites that encounter ice, snow and strong wind loading.

It provides independent horizontal and vertical polarizations and is suitable for a wide range of radio applications including MIMO.

The low-cost antenna comes with fully enclosed radome making it a good fit for harsh weather conditions.

To meet FCC specifications, the antenna must be mounted as shown in the image.

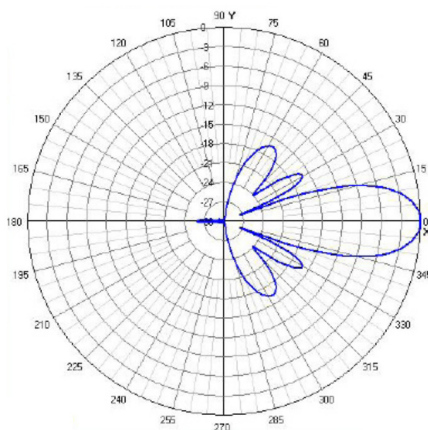
900MHz MIMO HIGH-GAIN PANEL ANTENNA - 16dBi SPECIFICATIONS

Electrical Specifications	
Frequency Range	806-960 MHz
Frequency Sub-bands	806-869MHz & 896-960MHz
Polarization	Horizontal and Vertical with Separate Feeds
Antenna Gain	2 x 16dBi (dual polarized)
Beamwidth *	Horizontally polarized signal in (Azimuth) Horizontal plane < 20° Vertically polarized signal in (Azimuth) Horizontal plane < 20° Horizontally polarized signal in (Elevation) Vertical plane < 34° Vertically polarized signal in (Elevation) Vertical plane < 34°
F/B Ratio	> 20 dB
Frequency Bandwidth (15dB return loss)	80MHz
Maximum Gust Speed	124 mi/h (200 km/h)
Wind Loading	630 N @ 99 mi/h (160 km/h)
Wind Survival	155 mi/h (250 km/h)
Impedance	50 Ohm
VSWR	<= 1.5:1
Return loss	>14dB
Maximum power	100W
Mechanical Specifications	
Connector	2 x N-Female
Dimensions (W x H x T)	37 x 20 x 2 inches (930 x 500 x 60 mm)
Direction of Propagation	+ Mounting Brackets
Weight	16.5 lbs (7.5 kg) Including Mounting Brackets
Mounting	Twin Vertically Spaced Clamps for Attachment to 0.8-4.5 inches (20-115mm) Mounting Pipe
Number Required per Link End	1 for 2 Receiver MIMO
Product Orders	
Product Code	Description
ANT-806-869-016-PD00	900MHz MIMO High-Gain Panel, 806-869MHz, 16dBi, 2 x N-Female
ANT-896-960-016-PD00	900MHz MiMO High-Gain Panel, 896-960MHz, 16dBi, 2 x N-Female

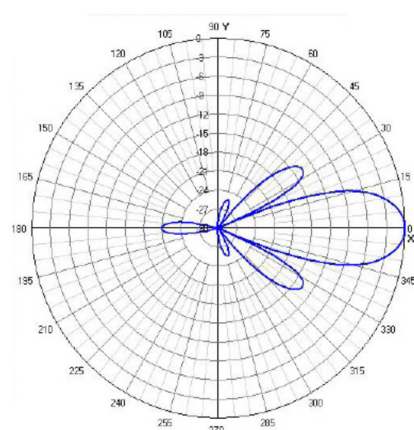
Important: Specifications are subject to change without prior notice

* **Note:** This antenna complies with FCC part 101.115 Antenna Standards: Minimum radiation suppression to angle requirement (Category B).

POLAR DIAGRAMS



Vertical Polarization / Horizontal Plane



Horizontal Polarization / Horizontal Plane