



SERIOUSLY SMART RADIOS FOR LINKING CRITICAL COMMUNICATIONS INFRASTRUCTURE



## 900 MHz PANEL 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.



*Slim Design, Rugged Functionality*

## 900 MHz PANEL ANTENNA SPECIFICATIONS

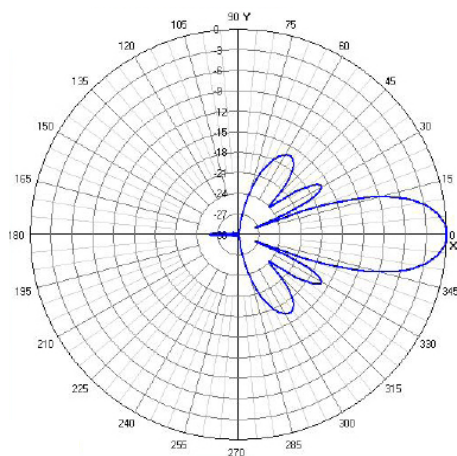
<b>Electrical Specifications</b>	
Frequency Range	806-960 MHz
Frequency Sub-bands	806-869MHz & 896-960MHz
Polarization	Horizontal and Vertical with Separate Feeds
Antenna Gain	2 x 16dBi (dual polarized)
Beam Width	(Azimuth) Horizontal Plane < 20° (Elevation) Vertical Plane < 34°
F/B Ratio	> 20 dB
Frequency 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)

<b>Mechanical Specifications</b>	
Connector	2 x N-Female
Dimensions (W x H x T) Direction of Propagation	37 x 20 x 2 inches (930 x 500 x 60 mm) + 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
FCC Specification	Complies with FCC Rule 101.115 CAT-B

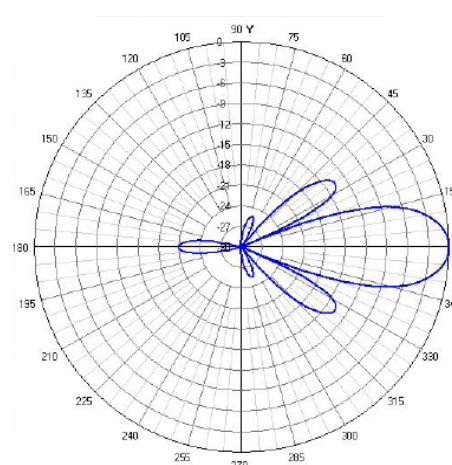
<b>Product Orders</b>	
Product Code	Description
ANT-806-869-016-PD00	900MHz MiMO Panel, 806-869MHz, 16dBi, 2 x N-Female
ANT-896-960-016-PD00	900MHz MiMO Panel, 896-960MHz, 16dBi, 2 x N-Female

**Important:** Specifications are subject to change without prior notice

### PANEL ANTENNA POLAR DIAGRAMS



Vertical Polarisation / Horizontal Plane



Horizontal Polarisation / Horizontal Plane