

LOW PROFILE PANEL ANTENNA - 12dBi

900 MHz Antenna Spec Sheet



The Mimomax Low Profile Panel Antenna is a high-gain, rugged, compact, 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 radio applications including MIMO.

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

With a typical 12dBi antenna gain and a maximum input power of 200W, the Mimomax Low Profile High Gain 900MHz Panel Antenna is a highly versatile antenna.



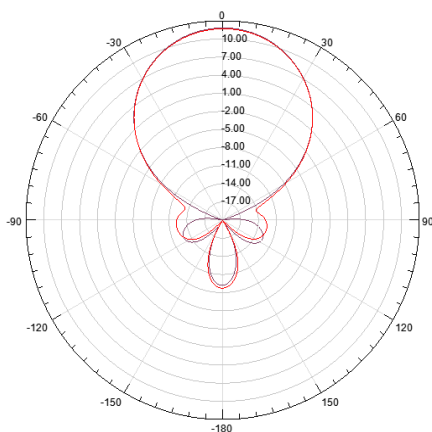
900MHz UHF MIMO LOW PROFILE PANEL ANTENNA - 12dBi SPECIFICATIONS

Electrical Specifications	
Frequency Range	800 - 960 MHz
VSWR	≤ 1.5
Polarization	Horizontal and Vertical with separate feeds
Antenna Gain	12dBi Typical
Beam Width	45° E Plane 46° M Plane
Front-to-Back Ratio	≥ 20dB
Rated Power	200W
Input Impedance	50Ω
Lightning Protection	Direct Ground

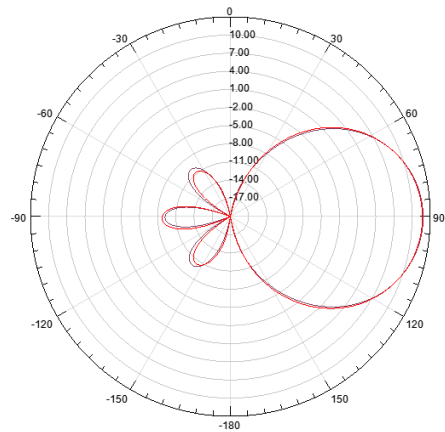
Mechanical Specifications	
Connector Type	2 x N-Female
Dimensions	17.7 x 17.7 x 1.5 inches (450 x 450 x 38 mm) Excluding mounting brackets and connectors
Weight	6.6 lbs (3 kg)
Material and Structure	Robust UV-ABS radome with aluminium backplate and rugged stainless-steel mounting
Max Gust Speed	124.3 mph (200 kph)
Wind Loading	300N (at 99.4 mph / 160 kph)
Mounting - PD00	Twin vertically spaced clamps for attachment to 0.8-2.0 inches (20-51 mm) mounting pipe
Mounting - PD0H	Twin vertically spaced clamps for attachment to 1.5-2.4 inches (38-61 mm) mounting pipe

Product Orders	
Product Code	Description
ANT-800-880-012-PD00	800MHz MiMO Panel, Low Profile, 800-880MHz, 12dBi, 2 x N-Female
ANT-880-960-012-PD00	900MHz MiMO Panel, Low Profile, 880-960MHz, 12dBi, 2 x N-Female
ANT-800-880-012-PD0H	800MHz MiMO Panel, Low Profile, 800-880MHz, 12dBi, 2 x N-Female, HD Mounting
ANT-880-960-012-PD0H	900MHz MiMO Panel, Low Profile, 880-960MHz, 12dBi, 2 x N-Female, HD Mounting

Important: Specifications are subject to change without prior notice



Radiation Pattern M Plane
3dB Beam Width 46°



Radiation Pattern E Plane
3dB Beam Width 45°