

UHF MIMO LOW PROFILE PANEL ANTENNA - 9dBi

400MHz Antenna Spec Sheet

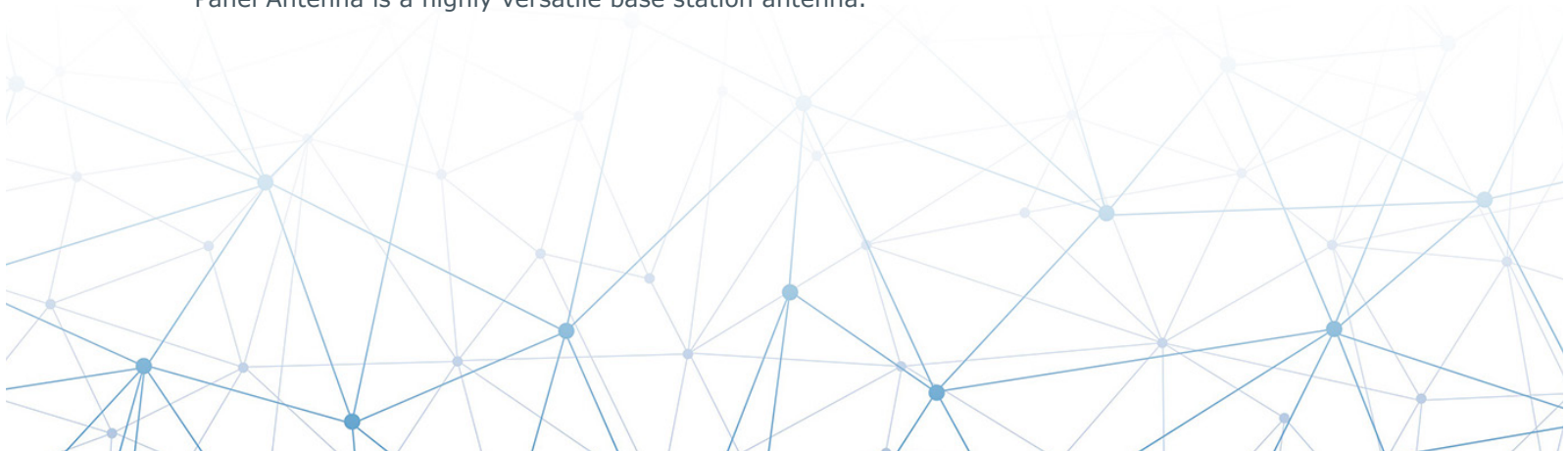


The Mimomax Low Profile Panel Antenna is a high-gain, rugged, compact, wide-band antenna suitable for radio sites that encounter ice, snow and strong wind loading.

Like all Mimomax MIMO antennas, the Low Profile Panel Antenna provides independent horizontal and vertical polarizations making it suitable for a wide range of radio applications including MIMO. This pattern-type diversity solution provides increased signal quality and path resilience in very challenging environments.

The Low Profile Panel Antenna comes with fully enclosed radome making it a good fit for harsh weather conditions.

With a typical 9dBi antenna gain and a maximum input power of 200W, the Mimomax Low Profile Panel Antenna is a highly versatile base station antenna.



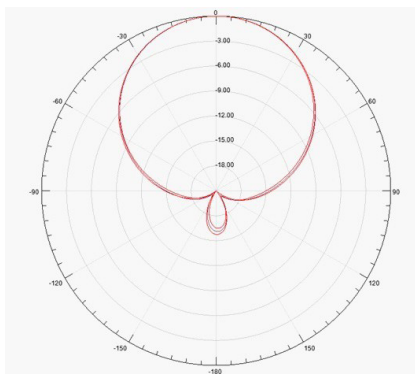
400MHz MIMO LOW PROFILE PANEL ANTENNA - 9dBi SPECIFICATIONS

Electrical Specifications	
Frequency Range	400-420MHz, 415-435MHz, 440-470MHz
VSWR	≤ 1.5 Typical
Polarization	Horizontal and Vertical with separate feeds
Antenna Gain	9dBi Typical
Beam Width	62° E Plane 72° M Plane
Front-to-Back Ratio	≥ 15dB
Rated Power	200W
Input Impedance	50Ω
Lightning Protection	Direct Ground

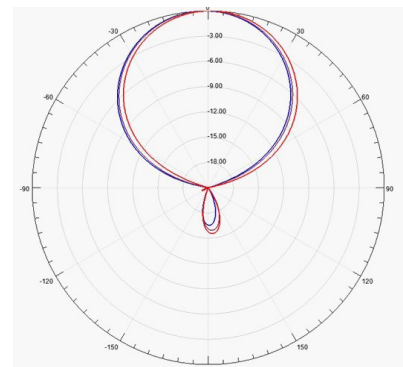
Mechanical Specifications	
Connector Type	2 x N-Female
Dimension	450 x 450 x 38 (mm) Excluding mounting brackets and connectors
Weight	3kg
Material and Structure	Robust UV-ABS radome with aluminium backplate and rugged stainless-steel mounting
Max Gust Speed	200kph
Wind Loading	300N (at 160kph)
Mounting - PD00	Twin vertically spaced clamps for attachment to 20-51mm mounting pipe
Mounting - PD0H (Heavy Duty)	Twin vertically spaced clamps for attachment to 38-61mm mounting pipe

Product Orders	
Product Code	Description
ANT-400-420-009-PD00	UHF MiMO Panel, Low Profile, 400-420MHz, 9dBi, 2 x N-Female
ANT-400-420-009-PD0H	UHF MiMO Panel, Low Profile, 400-420MHz, 9dBi, 2 x N-Female, HD Mounting
ANT-415-435-009-PD00	UHF MiMO Panel, Low Profile, 415-435MHz, 9dBi, 2 x N-Female
ANT-415-435-009-PD0H	UHF MiMO Panel, Low Profile, 415-435MHz, 9dBi, 2 x N-Female, HD Mounting
ANT-440-470-009-PD00	UHF MiMO Panel, Low Profile, 440-470MHz, 9dBi, 2 x N-Female
ANT-440-470-009-PD0H	UHF MiMO Panel, Low Profile, 440-470MHz, 9dBi, 2 x N-Female, HD Mounting

Important: Specifications are subject to change without prior notice



Radiation Pattern M Plane 440MHz, 455MHz & 470MHz
3dB Beam Width 72°



Radiation Pattern E Plane 440MHz, 455MHz & 470MHz
3dB Beam Width 62°