450-470MHz SISO PANEL ANTENNAS





The Ubiik Mimomax SISO Panel Antennas are rugged, compact antennas suitable for radio sites that encounter ice, snow and strong wind loading. These panel antennas also come with fully enclosed radomes making them a good fit for harsh weather conditions.

Available in gains from 9dBi to 15dBi.

450-470MHz SISO PANEL ANTENNA SPECIFICATIONS

Electrical Specifications

	9dBi	12dBi	15dBi
Frequency Range*	440-470MHz	450-470 MHz	450-470 MHz
Gain	9dBi	12dBi	15dBi
VSWR	<1.5	<1.5	<1.5
Front to Back Ratio (dB)	≥15	≥23	≥25
Polarization	Vertical	Vertical	Vertical
Horizontal Beamwidth	72°	65°	65°
Vertical Beamwidth	62°	35°	13°
Input Impedance	50 Ω	50 Ω	50 Ω
Max Power	100 W	100 W	500 W
Lightning Protection	DC Ground	DC Ground	DC Ground

Mechanical Specifications

	9dBi	12dBi	15dBi
Connector	N-Female	N-Female	N-Female
Dimensions	17.7 x 17.7 x 1.5 inches 450 x 450 x 38mm	47.2 x 16.5 x 5.6 inches 1200 x 420 x 142mm	98.4x 17.7 x 5.7 inches 2500 × 450 × 145mm
Weight	6.6 lbs | 3 kg	30.4 lbs | 13.8kg	55.1 lbs | 25kg
Radome Material	UV-PVC	UV-PVC	Fiber Glass
Rated Wind Velocity	124 mph | 200km/h	124 mph | 200km/h	124 mph | 200km/h
Operating Temperature	-40 °F to 149 °F -40 °C to +65 °C	-40 °F to 149 °F -40 °C to +65 °C	-67 °F to 149 °F -55 °C to +65 °C
Mounting (Pole OD)	Ø 1.57” - 2.0” Ø 40 mm - 52 mm	Ø 1.96” - 4.3” Ø 50 - 110 mm	Ø 2.1” - 4.1” Ø 55 - 105 mm

Product Orders

Product Code	ANT-440-470-009-PS00	ANT-450-470-012-PS00	ANT-450-470-015-PS00
Description	440-470 MHz Panel 9dBi, 1 x N-Female	450-470MHz Panel 12dBi, 1 x N-Female	450-470MHz Panel 15dBi, 1 x N-Female

***Important**: Specifications are subject to change without prior notice*
**Other frequency bands available on request.*