VenU® Dual Polarization 4G LTE MIMO Directional Panel

RoHS COMPLIANT

This VenU® antenna offers 4G LTE multiband coverage, high gain, and a rugged housing design with a heavy duty mounting bracket, for mast or wall mount installations. It is ideal for Small Cells, indoor/outdoor DAS systems, and Oil and Gas/Utility sites requiring a rugged and reliable 4G LTE/Cellular antenna solution.

Features

- MIMO broadband directional coverage with DAS, ODAS, Small Cell, and industrial wireless applications
- 4.1-9.5 Mini DIN, 4.3-10 or N Female connector options for Carrier network compliance
- IP67* waterproof vented design
- Indoor and outdoor rated
- Dual slant polarized at 1710-2700 MHz
- Can be mounted for vertical or horizontal polarization at 698-960 MHz
- Includes heavy duty articulating mount

VenU PIM160-OPM

STANDARD CONFIGURATION

Model	Connector	Mount	Radome
PIM160-OPM-NF	2 x Type N Female		
PIM160-OPM-4.1	2 x 4.1-9.5 Mini DIN (Female)	Heavy duty articulating mount suitable for pipe or wall installation is included	White, UL 94VHB Polycarbonate
PIM160-OPM-4.3	2 x 4.3-10 (Female)		

ELECTRICAL SPECIFICATIONS - RF ANTENNA (ALL MODELS)

Frequency Range	Gain	PIM Rating	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
698-960 MHz / 1710-2700 MHz	6 dBi / 8 dBi	2 x 20 W (Typical) ≤ -160 dBc each port	≤ 1.5:1 / ≤ 1.5:1	65° / 65°	70° / 60°

ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued (ALL MODELS)

Front to Back Ratio	Maximum Power	Nominal Impedance	Polarization	Port-to-Port Isolation
≥20 / ≥20	50 watts	50 ohms	Vertical/Horizontal @ 698-960 MHz +- 45° at 1710-2700 MHz	≤ -25 / ≤ -25

MECHANICAL SPECIFICATIONS & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Rated Wind	Ingress Protection	Temperature Range
12 L x 12 W x 4.4 H in (30.48 x 30.48 x 11.18 cm)	4.3 lbs (1.95Kg)	125 mph	IP67*	-40°C to +80°C (Storage) -40°C to +70°C (Operating)

* When installed according to manufacturer's installation instructions.