



Ultra Flat Dual-Polarization LTE MIMO Ceiling Mount Outdoor/Indoor DAS Antenna

The PIM160-OCM is a dual-polarization LTE MIMO antenna with ultra-low PIM (@ 2x43 dBm) for ceiling mount installations. The antenna is designed to operate within the frequency ranges of 698-960 MHz and 1710-2700 MHz, providing optimized pattern coverage for outdoor or indoor DAS applications.

Features

- Dual-polarization (vertical/horizontal) LTE MIMO design
- Ultra-low PIM (@ 2x43 dBm)
- 4.1-9.5 Mini DIN, 4.3-10 or N Female connector options for carrier network compliance
- IP67 ingress protection for ceiling mount installations outdoor or indoors
- Multi-band coverage with low VSWR performance
- Aesthetically pleasing, low-profile housing
- Single stud mount cable exit for installation ease
- UL94 V0 listed materials and plenum rated cable for compliance to strict building safety code specifications



PIM160-OCM

STANDARD CONFIGURATION

Model	Cable	Connectors	Mounting Method	Radome
PIM160-OCM-4.1	7.87-inch (200mm)	Two x 4.1-9.5 Mini DIN (Female)	Ceiling Mount.	White, UV-resistant ABS plastic
PIM160-OCM-4.3	R670-141 SXE Plenum (2 each) (all models)	Two x 4.3-10 (Female)	Single 1.34" (34 mm) M18 x 1.0 threaded stud and plastic HEX nut.	
PIM160-OCM-NF		Two N Female		

ELECTRICAL SPECIFICATIONS (ALL MODELS)

Frequency Range	Average Peak Gain	VSWR (Average)	Port-to-Port Isolation
698-746 MHz /	3.4 dBi	1.8:1	≤ -17 dB
746-896 MHz /	3.4 dBi	1.5:1	≤ -17 dB
896-960 MHz /	3.4 dBi	1.6:1	≤ -17 dB
1695-2200 MHz /	5.9 dBi	1.5:1	≤ -25 dB
2200-2700 MHz	5.9 dBi	1.6:1	≤ -25 dB

ELECTRICAL SPECIFICATIONS, continued

Power Handling	Nominal Impedance	Polarization	Azimuth Half Power Beamwidth	PIM Rating 3rd Order, 2 x 20 W (Typical)
50 watts (maximum)	50 ohms	Linear Horizontal/ Vertical for each radiator	Omnidirectional	≤ -160 dBc each port

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS (ALL MODELS)

Dimensions	Weight	Temperature Range	Material Substance
8.58 OD x 1.85 H in (21.8 x 4.7 cm)	1.4 lbs (0.65 kg)	-40°C to +80°C (Storage) -30°C to +70°C (Operating)	RoHS Compliant