



Dual-Polarization LTE MIMO Directional Wall Mount DAS Antenna

The PIM160-IPM is a dual-polarization LTE MIMO antenna with ultra-low PIM (@ 2x43 dBm) for indoor wall 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 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
- Multiband coverage with low VSWR performance
- Aesthetically pleasing, low profile housing
- Includes wall mount hardware for installation ease
- UL 94-V0 listed materials and Plenum rated cable for compliance to strict building safety code specifications



PIM160-IPM

STANDARD CONFIGURATION

Model	Cable	Connector	Mounting Method	Radome
PIM160-IPM-4.1	7.87-inch (200mm)	4.1-9.5 Mini DIN (Female)	Wall mount.	White, UV resistant ABS plastic
PIM160-IPM-4.3	R670-141 SXE Plenum (2 each)	4.3-10 (Female)	Includes hanging plate assembly with self-tapping screws and extension pipe hardware.	
PIM160-IPM-NF		N Female		

ELECTRICAL SPECIFICATIONS

Model	Frequency Range	Gain	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth	VSWR	Port-to-Port Isolation
PIM160-IPM-4.1	698-806 MHz	5 dBi	65°	70°	≤ 1.8	≤ -25
PIM160-IPM-4.3	806-960 MHz	5 dBi	65°	70°	≤ 1.6	≤ -25
PIM160-IPM-NF	1710-2700 MHz	8 dBi	65°	60°	≤ 1.5	≤ -25

ELECTRICAL SPECIFICATIONS, continued

Model	Power Handling	Nominal Impedance	Polarization	Front to Back Ratio	PIM
PIM160-IPM-4.1	50 watts (maximum)	50 ohms	@ 698-960 MHz: Vertical/Horizontal @ 1710-2700 MHz: ± 45°	@698-960MHz: ≥10 @1710-2700MHz: ≥20	≤ -160 dBc
PIM160-IPM-4.3					
PIM160-IPM-NF					

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	Weight	Temperature Range	Humidity
PIM160-IPM-4.1	11.6" L x 6.8" W x 2.9" H	0.75 kg	-40°C to +80°C (Storage) -40°C to +70°C (Operating)	0%-100%
PIM160-IPM-4.3				
PIM160-IPM-NF				