



## 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
- Multi-band coverage with low VSWR performance
- Aesthetically pleasing, low-profile housing
- Includes wall mount hardware for installation ease
- UL94 V0 listed materials and Plenum rated cable for compliance to strict building safety code specifications



PIM160-IPM

### STANDARD CONFIGURATION

Model	Cable	Connector	Mounting Method
PIM160-IPM-4.3	Two 7.87-inch (200mm)	4.3-10 (Female)	Wall mount. Includes hanging plate assembly with self-tapping screws and extension pipe hardware.
PIM160-IPM-NF	R670-141 SXE Plenum (2 each)	N Female	

### ELECTRICAL SPECIFICATIONS

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

### ELECTRICAL SPECIFICATIONS, continued

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

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Temperature Range	Humidity	Radome
11.6 L x 6.8 W x 2.9 H in (29.5 x 17.2 x 7.3 cm)	0.75 kg	-40°C to +80°C (Storage) -40°C to +70°C (Operating)	0%-100%	White, UV-resistant ABS plastic