



# PEAR™ M4936i

## Broadband Dual Polarized MIMO In-Building Antenna

[MIMO 698-960, 1710-2700 MHz]



### DESCRIPTION:

Ceiling mount omni directional MIMO antenna for in-building applications such as DAS providing MIMO performance for the complete frequency range from 698-960 MHz and 1710-2700MHz.

Electrical Specifications	Port 1 & 2							
Frequency Band [MHz]	698-790	790-894	894-960	1710-1880	1850-1990	1920-2170	2170-2500	2500-2700
Input	2x N-Type (F) or 2x 4.3-10 DIN (F) with pigtail cable (17"/44cm length)							
Polarization	vertical / horizontal							
Impedance	50 Ω							
Isolation (typ.)	-25 dB			-25 dB			-20 dB	-24 dB
Max. Gain	4.6 dBi	4.9 dBi	5.0 dBi	8.1 dBi	7.8 dBi	8.1 dBi	7.5 dBi	7.5 dBi
Avg. Gain	3.7 dBi	3.9 dBi	4.0 dBi	7.4 dBi	7.2 dBi	7.3 dBi	6.5 dBi	6.6 dBi
Horizontal Beamwidth	Omni (360°)							
VSWR / Return Loss	<1.8:1 / 10.9 dB				<2.0:1 / 9.5 dB			
Peak PIM @ 2 x 43 dBm	4.3-10 DIN Connector <-153 dBc; N-Type Connector <-150 dBc							
Input Power	25 W at ambient temperature of 77° F (25° C)							

Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Environmental Conditions	Indoor
Antenna Weight	3.15 lbs (1.43 kg)
Dimensions (Diameter / Height)	16" / 4.65" (406mm / 118mm)
Flammability rating	UL 94-V0
RoHS	compliant
Radome Color	RAL 9016 (white)*
Radome Material	PC/ABS
Pigtail Cable	Plenum Rated
Approved for use in Plenum Space	Listed & tested by Intertek/ETL

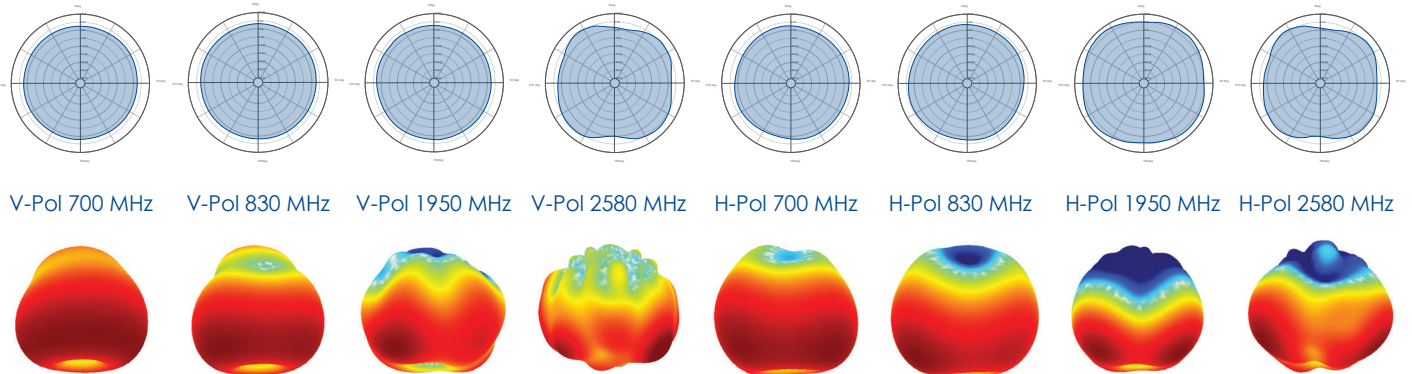
### ADDITIONAL INFORMATION:

Fasteners for below suspended ceiling mounting included, max. ceiling thickness 30mm. Mounting kits for antenna placement above suspended ceiling optional. Radome can be painted in different colors.

### MOUNTING & ANTENNA OPTIONS

Part Number	Connector	Description
02121261-04936U	2x N-Type (F)	Ant. PEAR M4936i with Below ceiling Mount
02121261-04936A	2x N-Type (F)	Ant. PEAR M4936i with Above Ceiling Mount
02130261-04936U	2x 4.3-10 DIN (F)	Ant. PEAR M4936i with Below ceiling Mount
62-13-03		<a href="#">Above Ceiling Mount Kit</a>

\* Radome can be painted with recommended paint "Krylon Fusion for Plastic".



Release Date: 11. Dec. 2015; Revision: D; Patent Pending