

## Great Dane PTA Series

### Ideal for:

- MIMO LTE rooftop mounting
- Failover for wireless Internet backup



- MIMO LTE
- IP54 RATED

### Features

- 698 MHz - 2200 MHz\*
- HIGH EFFICIENCY
- HIGH PERFORMANCE

\*See inside for details



## Product Description

The Great Dane Series antennas are high-performance, omnidirectional antennas ideal for pole mounting and easy rooftop installation. The Great Dane antennas are perfect for a wide variety of outdoor and IoT applications.

The Great Dane series antennas are omnidirectional, pole or mast mounted, MIMO LTE antennas.

**Patent pending.**



## Frequency Ranges

### LTE frequency range

- 698 – 894 MHz
- 1695 – 2200 MHz

## LTE Bands (US Carriers)

<b>AT&amp;T</b>	2, 4, 5, 14, 17, 29, 66
<b>Verizon</b>	2, 4, 5, 13, 66
<b>T-Mobile</b>	2, 4, 12, 66
<b>Sprint</b>	2, 25, 26
<b>Mechanical</b>	
<b>Dimensions</b>	16.3 in × 13.3 in × 1.5 in excluding mounting bracket
<b>Mounting</b>	Bracket and clamp to pole 1.25 in to 2.25 in diameter
<b>Environmental</b>	
<b>Operating Temperature</b>	-40°C to 85°C
<b>Rating</b>	IP54 outdoor

## Electrical Specifications

ID	Port	Parameters	Units	Typ.
<b>Radiated Efficiency</b>	LTE-1,2	698 – 894 MHz	%	80
	LTE-1,2	1695 – 2200 MHz		90
<b>Peak Gain</b>	LTE-1,2	698 – 894 MHz	dBi	5
	LTE-1,2	1695 – 2200 MHz		7
<b>Return Loss (50 <math>\Omega</math>)</b>	LTE-1,2	698 – 894 MHz	dB	6
	LTE-1,2	1695 – 2200 MHz		12
<b>Isolation</b>	LTE-1 to 2	698 – 960 MHz	dB	21
	LTE-1 to 2	1695 – 2200 MHz		24
<b>Polarization</b>	LTE-1,2			Linear
<b>Max Input Power</b>	LTE-1,2		Watts	5
<b>RF Connectors</b>	LTE-1,2	N Female		

# Ordering

Our Great Dane antennas come in 1' or 50' cable options and beige.

Configurations	Order Number	Description
2:1	PTAGD2L01 PTAGD2L50	2 LTE, 1' cable, beige 2 LTE, 50' cable (LMR400), beige

## Part Number Key

Part number example for a 2:1 Great Dane antenna:

PTAGD2L01

Description	Abbreviation	Part Number
All PTA Series	PTA	PTA
Antenna abbreviation for Great Dane	GD	PTAGD
Number of LTE Elements	# L	PTAGD2L
Cable length measured in feet: 01 = 1', 15 = 15'	01 or 50	PTAGD2L01
If SMA connector, simply leave blank		PTAGD2L01
N connector	N	PTAGD2L01N
TNC connector	T	PTAGD2L01T