

WPANT30078-R1A

4G Cellular Panel Antenna



Description / Application

This is a High Gain 4G Cellular directional antenna that can be used for base-stations. It comes with a Type-N female connector. The antenna is at DC ground to ensure protection against lightning.

We can assist your engineers to optimize mounting positions for these antennas in your applications and can further customize the antennas for your specific needs. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	698 – 960 MHz	1710 – 2700 MHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical	< 2.5:1	< 2.5:1
Peak Gain [dBi] (Typical)	11 dBi	12 dBi
Polarization	Vertical	Vertical
Pattern	Directional (> 20 dB front-to-back ratio)	
Horizontal Beamwidth (Typical)	55° – 80°	
Vertical Beamwidth (Typical)	20° – 40°	
Electrical Downtilt	0°	
Accepted Power [W] (Max)	500 Watts	
Lightning Protection	DC ground	

Mechanical / Environmental Properties

Antenna Dimensions	26" X 11" X 5.3" (660mm X 280mm X 135mm)
Antenna Weight	9.9 lbs (4.5 kg)
Antenna Color	Grey
Connector	Type-N Female
Antenna Radome	UPVC
Mechanical Tilt	0 – 16 degrees
Pole Diameter	2" – 3.15" (50 – 80 mm)
Max Wind Speed	60 m/s
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures of the Antenna





Radiation Patterns of the Antenna





