

## 2.4GHz Long Range 21dBi Die Cast Grid Antenna

### Part No:AC-D24G21

#### 1. Introduction

Grid parabolic antenna is designed for the spread spectrum system, operates in the 2.4-2.5 GHz band and provides 21dBi directional Parabolic Grid antennas operation.

This antenna features high gain, long coverage, lightweight, compact structure and excellent wind-resistance. It is used for outdoor and the range is up to 5-20 km

2.4 GHz antenna, which focuses the signal and reflects the power off of the dish, creating very high power in a highly directional beamwidth. You can think of the radio signal beam of a high gain parabolic dish / grid antenna as shining a high power flashlight directly at your target.

The higher the parabolic grid's gain, the narrower the beam. The 21dB Grid antenna, is a simple, tested and excellent light weight design, now made out of aluminum and powder coated for years of use. 2-piece dish assembles in minutes, includes all hardware and pieces for assembly.



## 2. Specification

### Electrical

Frequency Range	2400-2483 MHz
Band width	83MHz
F/B Ratio	≥20dB
Gain	21dBi
V.S.W.R	≤1.5
Radiation	Direction
Horizontal Beam width	12°
Vertical Beam width	16°
Polarization	Vertical or Horizontal
Lightning Protection	DC Grounded
Maximum Input Power	100W
Impedance	50Ω
Connector	N Female
Cable Type	LMR240
Cable Length	30cm
Antenna Radome Material	Aluminium alloy
Mount way	Pole
Diameter of Installation Pole	Ø50~Ø70mm

### Mechanical

Antenna Dimension	400x600 mm
Weight	2KG
Operating Temperature	-40℃ to+80℃
Rated Wind Velocity	60m/s
RoHS Compliant	YES