



## Fusion™ Dish .6m

### .6m Dual Polarity Dish

The IgniteNet™ Fusion™ Dish is a high performance .6m dish for the 5GHz unlicensed bands. Its reimagined design is centered around 3 key ingredients: simplicity, performance, and integration. For simplicity the Fusion™ Dish dish requires only one tool for assembly and integration. Also the bracket is thoughtfully designed as two pieces to allow for easy installation. For improved performance, the Fusion™ Dish features a redesigned waveguide to enable low-loss radio connections, while simplifying the installation at the same time. Easy integration is further achieved in the innovative pigtail and weather hood feature.

#### Innovative Radio Connections

The Fusion™ Dish features RPSMA pigtails + weather hood as well as with Fusion™ mating, a new, super simple antenna/radio mating system developed by IgniteNet™.

#### Dual Polarity or Dual Slant?

The Fusion™ Dish is designed to support both dual polarity (H/V) as well as dual slant operation depending on assembly. Now one dish can handle both system types!

#### Versatile, Robust Mounting Design

The Fusion™ Dish innovative mounting design allows for poles varying in size from 5 to 11.4cm (2 to 4.5in.) in diameter. In addition, adjustment from +/-30° are made simple and easy.

## FEATURES

### RF PERFORMANCE

- › Frequency Range  
5.1 - 5.9GHz (FD5)
- › Antenna Gain  
30dBi (FD5)
- › Polarization  
Dual Polarity H/  
V or Dual Slant +/-45°
- › 3dB Beamwidth  
6 degrees (FD5)
- › VSWR  
1.5:1 Typical
- › Port to Port Isolation  
35dB min.

› Front to Back Ratio  
30dB

› Cross Polarization  
>30dB

› IMPEDANCE  
50 ohm

### OPERATING ENVIRONMENT

- › Operating Temperature:  
-45C° to +70C°
- › Store Temperature: -45C° to +70C°
- › Operating Humidity:  
10 to 90% non-condensing (RH)
- › Meets IP65 Weather Rating

### DIMENSIONS (L x W x H )

› 280 x 90 x 50 mm

### WEIGHT

› 10 kg

### WIND SURVIVABILITY

› 201 kph

### WIND LOADING

› 80 kg (53 kg with radome)

### POLE MOUNT RANGE

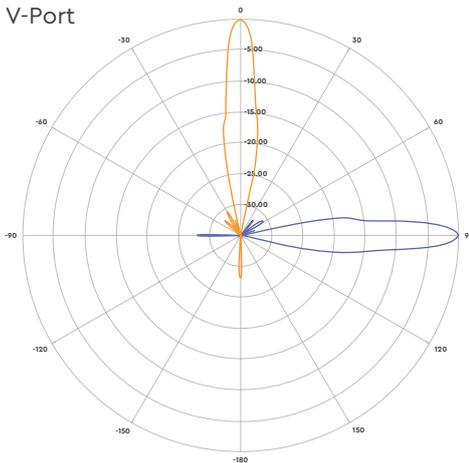
› 5.0 - 11.4 cm (2 - 4.5 in.)

### REGULATORY / STANDARDS COMPLIANCE

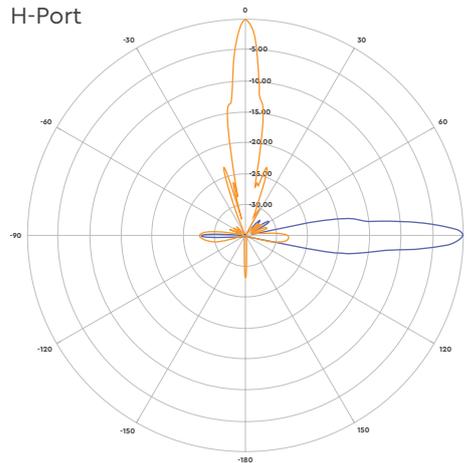
- › FCC/IC
- › CE

### ANTENNA PATTERNS

V-Port



H-Port



## ORDERING INFORMATION

### Part Number

### Description

FD5-30R

5GHz, 30dBi, .6m, Dual Type-RPSMA Pigtailed with Weather Hood