

Product Overview

The IgniteNet™ Fusion™ Dish is a high performance .6m dish for the 2.4GHz and 5GHz unlicensed bands. Its reimagined design is centered around 3 key ingredients: simplicity, performance, and integration. For simplicity the Fusion™ 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.

Key Features and Benefits

Innovative Radio Connections

The Fusion™ Dish features not only the standard N-type connection option but also is available with 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.

Product Variants



FD5-30R



FD5-30N



FD5-30F

Features

RF PERFORMANCE

- ✓ Frequency Range
 - 5.1 - 5.9GHz (FD5)
 - 2.4 - 2.5GHz (FD2)
- ✓ Antenna Gain
 - 30dBi (FD5)
 - 24dBi (FD2)
- ✓ Polarization
 - Dual Polarity H/V or Dual Slant +/-45°
- ✓ 3dB Beamwidth
 - 6 degrees (FD5)
 - 8 degrees (FD2)
- ✓ 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)

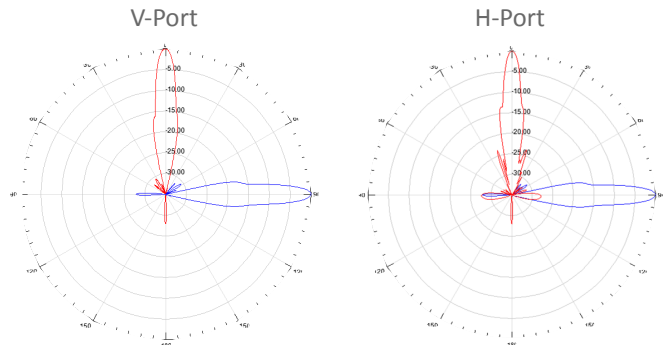
POLE MOUNT RANGE

- ✓ 5.0 - 11.4 cm (2 - 4.5 in.)

REGULATORY / STANDARDS COMPLIANCE

- ✓ FCC/IC
- ✓ CE

ANTENNA PATTERNS



Ordering Information

Part Number	Description
FD5-30N	5GHz, 30dBi, .6m, Dual Type-N Connectors
FD5-30R	5GHz, 30dBi, .6m, Dual Type-RPSMA Pigtailed with Weather Hood
FD5-30F	5GHz, 30dBi, .6m, EZ-Fusion™ Type Mating
FD2-24N	2.4GHz, 24dBi, .6m, Dual Type-N Connectors
FD2-24R	2.4GHz, 24dBi, .6m, Dual Type-RPSMA Pigtailed with Weather Hood
FD2-24F	2.4GHz, 24dBi, .6m, EZ-Fusion™ Type Mating

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