4.9 GHz to 5.8 GHz 25 dBi Dual Polarity Dish Antenna
Model: HG4958DP-25D

Applications

- 5.1/5.3/5.4/5.8 GHz ISM and UNII Band Applications
- 4.9 GHz Public Safety Band
- MIMO and 802.11 n Applications
- WiMAX Applications
- Long Distance Backhaul and Point to Point Data Links

Features

- Dual Polarity feed system
- Wide Bandwidth
- Aluminum reflector dish
- UV Stable light gray polymer finish
- Includes tilt and swivel mast mount kit

RoHS Compliant

Description

The HyperLink model HG4958DP-25D is a high performance broadband dual polarized solid dish antenna. Because of its' superb electrical performance and mechanical stability, the parabolic dish antenna can be used in a wide variety of high performance 4.9 GHz and 5 GHz range (5.1/5.3/5.4/5.8 GHz) wireless applications. The wide band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications. This antenna features 25 dBi of gain with a 7° horizontal beam-width and vertical beam-width.

Dual Polarization

The HG4858DP-25D features a dual polarity feed system. It is fed via two N-Female ports, one for vertically polarized and one for horizontally polarized signals. This feature makes it ideal for MIMO/802.11n and polarization diversity systems.

Rugged and Weatherproof

The reflector dish of the HG4958DP-25D is constructed from high quality aluminum which gives it superior strength. The dish is coated in a light gray UV-inhibited polymer for durability and aesthetics. The small diameter of the dish helps minimize wind loading.

The HG4958DP-25D is supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be adjusted up or down from 0° to 30°.

Specifications

Mechanical Specifications

Connector Interface	N Female
Diameter	15.7 in (400mm)
Weight	4.1 lbs (1.86 kg)
Mounting Mast Size	1.5 – 2.3 in (40 - 60mm)

Electrical Specifications

Frequency	4750 – 5850MHz
Gain	25 dBi
Polarization	Vertical and Horizontal
Horizontal /Vertical Beam-width	7°/ 7°
	≤ 1.5:1
F/B ratio	>30dB
Cross-pol Isolation	>28dB
Max Input Power	100 watts
Impedance	50 Ohm

Wind Loading Data

Wind Speed (MPH)	**Loading**
100	55 lbs
125	87 lbs

RF Antenna Patterns