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HyperLink Wireless 900MHz (824-960MHz) 12 dBi High Performance Yagi Antennas for ISM, GSM and Wireless LAN Systems

Model: HG912YE

Applications and Features

Applications:

- 900MHz ISM Band
- Wireless LAN systems
- Point to multipoint applications
- Non Line of Sight (NLOS)
- GSM
- RFID
- SCADA
- Wireless Video Links
- 900MHz Cellular

Features:

- Superior performance
- Heavy duty Anodized Aluminum construction
- All weather operation
- Heavy-duty Boom and Elements
- 15 inch Low Loss coax lead
- Can be installed for either vertical or horizontal polarization
- 1/8" thick plated steel mounting plate
- RoHS Compliant



Product Description

Superior Performance

The HyperGain® HG912YE High-Performance Yagi Antenna combines high gain with a wide 30° beam-width. It is ideally suited for directional applications in the 900 GHz ISM and GSM bands as well as Non Line of Sight (NLOS) and Point to Multi-Point installations. Typical applications include 900 MHz Wireless LAN, SCADA, Wireless Video Links, 900 MHz Cellular, Non Line of sight (NLOS) applications and point to multi-point systems. External interference of this antenna is minimized due to the excellent front to back ratio. The antenna comes with a 15" Low Loss coax lead terminated with one of these standard connectors (N-Female, N-Male, RP-SMA Plug, SMA Male), others are available. The antenna can be installed for either vertical or horizontal polarization applications.

Rugged and Weatherproof

This antenna features a heavy-duty Anodized Aluminum boom and elements. Secure mounting is assured by a 1/8" thick plated steel mounting plate and two plated steel U-bolts.

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Specifications

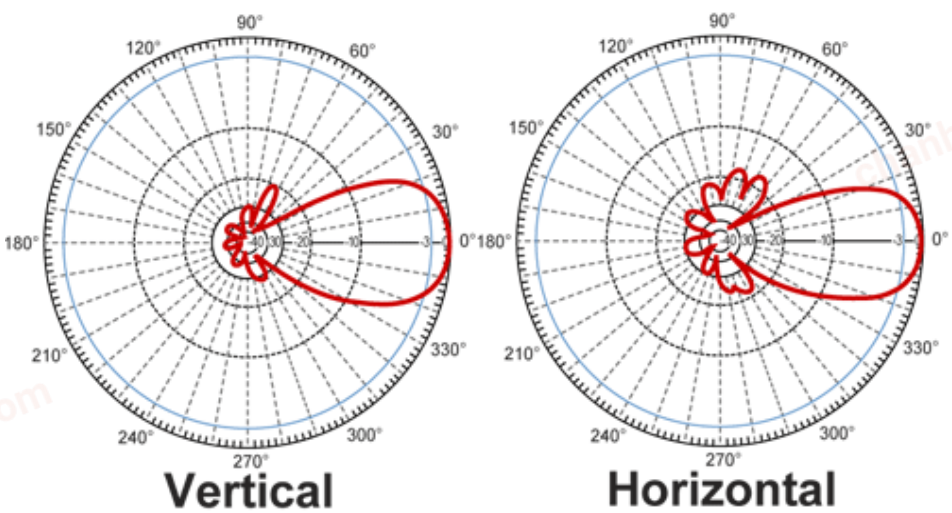
HG912YE

Model	HG912YE
Frequency	824-960 MHz
Gain	12 dBi
Polarization	Horizontal or Vertical
Horizontal Beam Width	43°
Vertical Beam Width	36°
Front to Back Ratio	18 dB
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Elements	9
Weight	2.1 lbs. (0.97 kg)
Length	35.0 in. (0.89 m)
Mounting	2 in. (51 mm) diameter mast max.
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Lightning Protection	DC Short
Connector	N-Female, N-Male, RP-SMA Plug, or SMA Male
Wind Survival	135 MPH
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading
100	11.5 lb.
120	18.2 lb.
100 w/1/2" Radial Ice	21 lb.

RF Antenna Gain Patterns



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