

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.

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

