

HyperLink Wireless 900MHz (824-960MHz) 14 dBi High Performance Yagi Antenna for ISM, GSM and Wireless LAN Systems

Model: HG914YE

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
 - 30° beam-width
 - Heavy-duty Anodized Aluminum boom
 - Heavy-duty Anodized Aluminum elements
 - Solid 1/4" mounting plate
 - 15 inch Low Loss Coax lead
 - Includes mount kit



Product Description

Superior Performance

The HyperGain® HG914YE High-Performance Yagi Antenna combines high gain with a wide 30° beam-width. It is ideally suited for directional applications in the 900 MHz 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 solid 1/4" mounting plate and two stainless steel U-bolts.

Specifications

Electrical Specifications

Model	HG914YE
Frequency	824-960 MHz
Gain	14 dBi
Polarization	Horizontal or Vertical
Horizontal Beam Width	31°
Vertical Beam Width	26°
Front to Back Ratio	15 dB
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Elements	14
Weight	2.7 lbs. (1.22 kg)
Length	55.1 in. (1.40 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

RF Antenna Gain Patterns

