

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

