

## HyperLink Wireless 900 MHz 14 dBi High Performance Yagi Antenna for ISM, GSM and Wireless LAN Systems

Model: HG914Y

### Applications and Features

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- 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 3/4" aluminum boom
  - Solid 3/8" aluminum elements
  - Solid 1/4" aluminum mounting plate
  - 12 inch coax lead
  - Includes mount kit



### Product Description

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#### Superior Performance

The HyperGain® HG914Y 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 and 900 MHz Cellular.

#### Rugged and Weatherproof

This antenna features a heavy-duty 3/4" aluminum boom and solid 3/8" aluminum elements. Secure mounting is assured by a solid 1/4" aluminum mounting plate and two stainless steel V-bolts.

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**Specifications**

**Electrical Specifications**

<b>Frequency</b>	900 - 928 MHz
<b>Gain</b>	14 dBi
<b>-3 dB Beam Width</b>	30 degrees
<b>Front to Back Ratio</b>	15 dB
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	50 Watts
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Short

**Mechanical Specifications**

<b>Weight</b>	< 4 lbs. (1.8 Kg)
<b>Length</b>	43 in.(109 cm)
<b>Material</b>	Extruded Aluminum
<b>Finish Material</b>	White UV Polymer
<b>Mounting</b>	2 3/8" dia. mast max.
<b>Polarization</b>	Vertical or Horizontal
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Wind Survival</b>	>150 MPH

**RF Antenna Gain Patterns**

