

## HyperLink Wireless 900 MHz 6 dBi Professional High Performance Omni Antenna Model: HG906U-PRO

### Applications

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- 900 MHz ISM band
- 900 MHz wireless video
- Point to multi-point and Non Line Of Sight (NLOS) applications
- GSM, SCADA applications
- 900 MHz cellular band

### Features

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- Rugged industrial grade design
- Lightweight fiberglass radome
- All weather operation
- Integral N-Female connector
- Includes heavy duty steel mast mounting brackets



### Description

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The HyperLink HG906U-PRO is a high performance Omni-directional antenna designed for the 900 MHz ISM band. It is ideally suited for multipoint, Non Line of Sight (NLOS) and mobile applications where high gain and wide coverage is desired. Typical applications include 900MHz Wireless LAN, SCADA, Wireless Video Links and 900MHz Cellular band applications.

This antenna features an integral N-Female type connector that mounts through the wall of an equipment enclosure. Included with the HG906U-PRO is a dual u-bolt mast mounting kit. Consisting of a heavy-duty steel bracket and a pair of U-bolts, this kit allows installation on masts up to 2.0" in diameter.

This Omni antenna's construction features a rugged 1.58" diameter white fiberglass radome for durability, aesthetics and long service life. It is designed for all weather operation.



**Specifications**

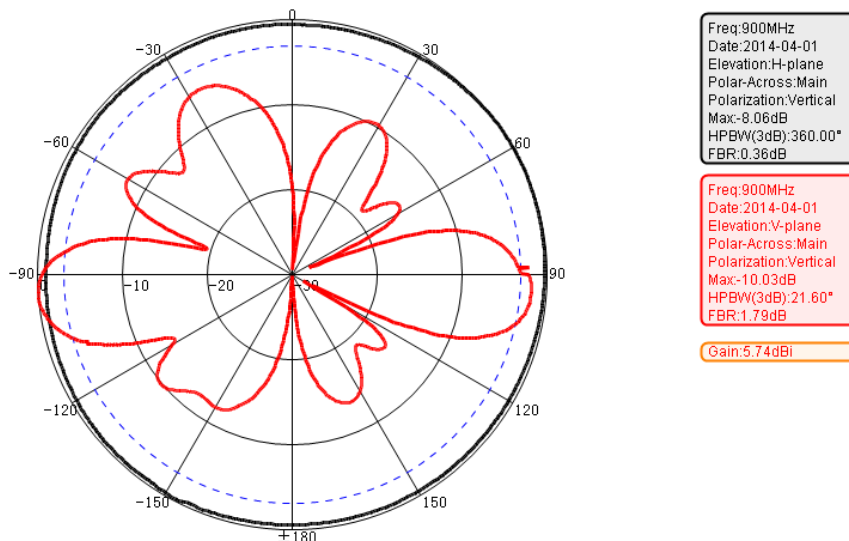
**Electrical Specifications**

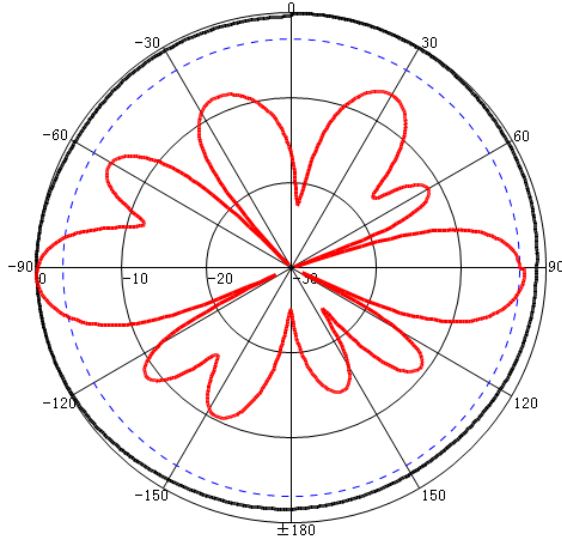
Frequency	900 – 928 MHz
Gain	6 dBi
Impedance	50 Ohm
Horizontal Beam Width	360°
Vertical Beam Width	19°
Polarization	Vertical
VSWR	< 1.5
Max. Input Power	50 Watt
Lightning Protection	DC Ground

**Mechanical Specifications**

Connector	N-Female
Weight (Including Bracket)	3.86 lbs. (1.3 kg)
Length	38.1 in. (969mm)
Radome Diameter	1.5 in. (38mm)
Mast Mounting Dia.	1.2 to 2 in. (31.7 to 50.8 mm)
Operating Temperature	-40° C to 60° C (-40° F to 140° F)
Max. Wind Velocity	210km/h (130mph)
RoHS Compliant	Yes

**RF Antenna Patterns**

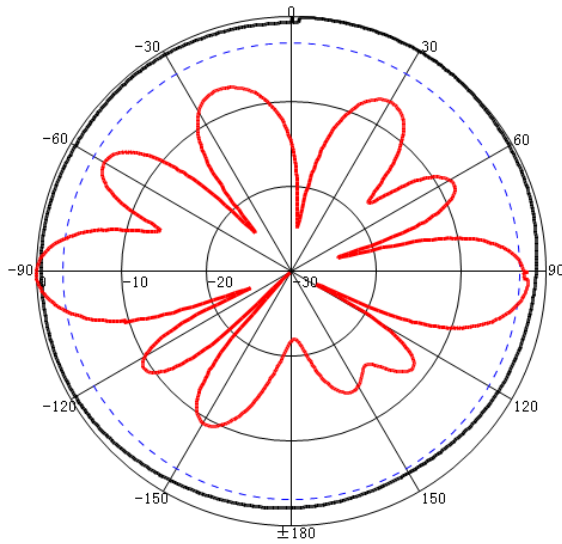




Freq:914MHz  
 Date:2014-04-01  
 Elevation:H-plane  
 Polar-Across:Main  
 Polarization:Vertical  
 Max:-8.24dB  
 HPBW(3dB):360.00°  
 FBR:0.53dB

Freq:914MHz  
 Date:2014-04-01  
 Elevation:V-plane  
 Polar-Across:Main  
 Polarization:Vertical  
 Max:-9.04dB  
 HPBW(3dB):19.65°  
 FBR:2.49dB

Gain:5.91dBi



Freq:928MHz  
 Date:2014-04-01  
 Elevation:H-plane  
 Polar-Across:Main  
 Polarization:Vertical  
 Max:-8.26dB  
 HPBW(3dB):360.00°  
 FBR:0.59dB

Freq:928MHz  
 Date:2014-04-01  
 Elevation:V-plane  
 Polar-Across:Main  
 Polarization:Vertical  
 Max:-9.96dB  
 HPBW(3dB):18.07°  
 FBR:2.04dB

Gain:5.89dBi