

900 MHz 8 dBi Flat Patch Antenna for ISM, GSM, RFID and Wireless LAN Systems

Model: HG908P

Features

Applications:

- 900MHz ISM Band
- Wireless LAN systems
- GSM
- RFID
- SCADA
- Wireless Video Links
- 900MHz Cellular

Features:

- Superior performance
- Light weight
- Durable UV-stable, UL flame rated radome
- Low loss solid brass elements
- DC Short lightning protection
- 12 inch coax lead
- Can be installed for either vertical or horizontal polarization
- Optional Mounting Kits available
- RoHS Compliant



Product Description

Only 8.5 inches square!

Superior Performance

This high gain flat patch antenna provides 8 dBi gain with broad coverage. It is suitable for both indoor and outdoor wireless LAN and wireless video applications in the 900MHz ISM band, GSM, 900MHz cellular and RFID applications.

Rugged and Weatherproof

This antenna's construction features sealed internal elements and an aesthetic UV-stable, UL flame rated white plastic radome. Can be wall or mast mounted using U-bolts.

Specifications

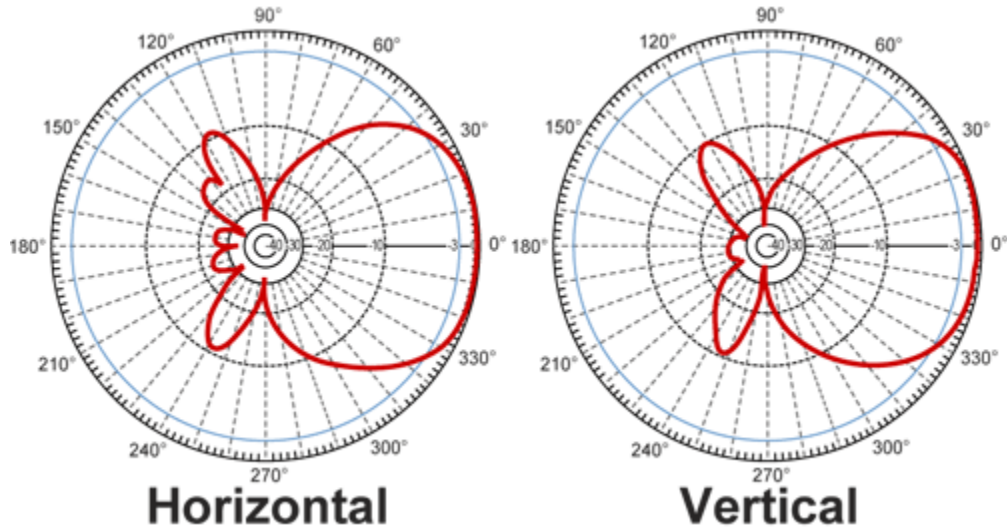
Electrical Specifications

| | |
|------------------------------|--------------|
| Frequency | 902-928 MHz |
| Gain | 8 dBi |
| Horizontal Beam Width | 75 degrees |
| Vertical Beam Width | 65 degrees |
| Impedance | 50 Ohm |
| VSWR | < 1.5:1 avg. |

Mechanical Specifications

| | |
|------------------------------|--------------------------------------------|
| Weight | < 1 lb. (0.45 kg) |
| Dimensions | 8.5" x 8.5" x 1.2" (0.22 x 0.22 x 0.03 mm) |
| Radome Material | UV-inhibited Polymer |
| Flame Rating | UL 94HB |
| Mounting | Four ¼" Holes |
| Polarization | Horizontal and Vertical |
| Operating Temperature | -40° C to to 85° C (-40° F to 185° F) |
| Wind Survival | >150 MPH |
| RoHS Compliant | Yes |






RF Antenna Gain Patterns







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Mounting Options

Hyperlink's patch antennas offer several unique mounting options. They can be mounted flat against a wall, or to a mast using a pair of 2 inch U-bolts. The antennas also accept most tilt-and-swivel security camera brackets equipped with standard 1/4-20 threads.

| | Description | Part Number |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|  | Small Metal Tilt-and-Swivel Mounting Bracket for indoor wall mounting. Includes wall-mounting hardware. | HGX-PMT02 |
|  | Medium Plastic Tilt-and-Swivel Mounting Bracket for indoor wall mounting. Includes wall-mounting hardware. | HGX-PMT03 |
|  | Large Metal Tilt-and-Swivel Mounting Bracket for indoor and outdoor wall or mast mounting. Includes wall-mounting hardware. Can be mast-mounted using U-Bolt Kit (sold separately). | HGX-PMT04 |
|  | Universal Antenna Mount powder coated galvanized steel "DSS-style" arm for outdoor wall mounting. Requires a pair of 2 inch U-bolts (sold separately). | HGX-UMOUNT |
|  | Stationary Mounting Kit for mounting to 1-1/4" to 2" dia. masts. Includes U-Bolts, nuts and mast clamp. | HGX-PMT07 |

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|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
|  | <p>60 Degree Tilt-and-Swivel Mounting Kit for mounting to 1-1/4" to 2" dia. masts. Mounting hardware included.</p> | <p>HGX-PMT06</p> |
|  | <p>Ceiling/Wall Universal Antenna Mount can be used with HyperLink's 4.5" sq and 8.5" sq. patch antennas as well as N-Type bulkhead and TNC/BNC bulkhead omni directional antennas. Includes ceiling/wall mounting hardware.</p> | <p>HGX-UMOUNT02</p> |
|  | <p>Universal Corner Mounting Bracket: This bracket is designed to mount to an outside corner of a structure. It can be used with HyperLink's 4.5" and 8.5" sq. patch antennas, radome enclosed Yagi antennas, the HGX-PMT02 tilt & swivel bracket and can also accommodate the SC2402N and SC5802N 2-Way signal splitters as well as HyperAmp outdoor amplifiers.</p> | <p>HGX-UMOUNT03</p> |
|  | <p>Window Mounting Kit Includes suction cups and mounting hardware.</p> | <p>HGX-PMT08</p> |