HyperLink Wireless 4.9 GHz 11 dBi Flat Patch Wireless LAN WiFi Antenna for 802.11a US Homeland Security and Public Safety Program

Model: HG4911P

Applications and Features

Applications:
- Homeland Security
- Public Safety Services: Fire, Police, Security
- Large Scale WLL
- Personal Area Network (PAN)
- WLAN / Hot Spot
- WLAN / On-Scene Incident Command

Features:
- Light weight
- All weather operation
- Compact flat panel design
- Integral SMA-Female connector
- Can be installed for either vertical or horizontal polarization
- Optional Mounting Kits available

Description

Homeland Security and Public Safety Programs

Hyperlink's new product line of high quality wireless flat patch antennas for the 4940-4990 MHz band (4.9 GHz) offer cost effective solutions designed to meet the applications of Homeland Security and the Public Safety Program in the U.S. Launched by the Homeland Security administration, the Public Safety Program is a project meant to develop an improved communication network by providing bandwidth for high concentrations of users in localized areas for the security forces of police departments, fire departments, security services, etc.

Superior Performance

This compact flat panel antenna is only 4.5" square and combines 11 dBi of gain with broad coverage. It is suitable for both indoor and outdoor applications. This antenna can be oriented for either vertical or horizontal polarization.

Rugged and Weather-Proof

Sealed internal elements and an aesthetic UV-stable, UL flame rated white plastic radome help ensure many years of trouble free operation. This antenna can be wall or ceiling mounted, as well as mast-mounted using U-bolts.
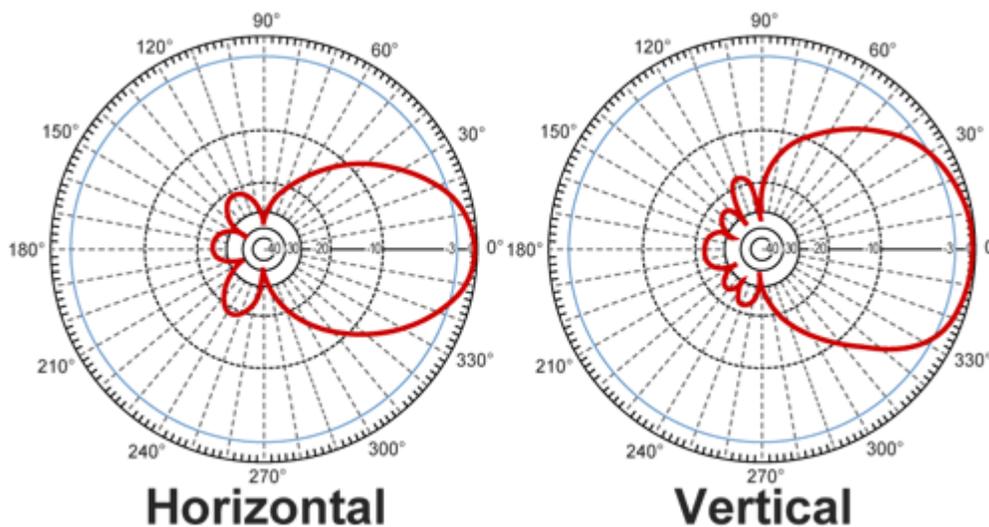
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Specifications

Electrical Specifications

Frequency	4800 - 5100 MHz
Gain	11 dBi
Horizontal Beam Width	30 degrees
Vertical Beam Width	60 degrees
Impedance	50 Ohm
VSWR	< 1.5:1 avg.

Mechanical Specifications

Weight	< 0.4 lbs (0.18 kg).
Dimensions	4.5" x 4.5" x 1" (114.3 x 114.3 x 25.4 mm)
Radome Material	UV-inhibited Polymer
Mounting	Four ¼" Holes
Polarization	Horizontal or Vertical
Wind Survival	>150 MPH
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Flame Rating	UL 94HB

RF Antenna Patterns

Horizontal   **Vertical**

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
60 Degree Tilt-and-Swivel Mounting Kit for mounting to 1-1/4" to 2" dia. masts. Mounting hardware included.	HGX-PMT06
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.	HGX-UMOUNT02
Window Mounting Kit Includes suction cups and mounting hardware.	HGX-PMT08