

HyperLink Wireless brand 4.9 GHz 7 dBi Omni-directional Wireless LAN WiFi Antenna for 802.11a US Homeland Security and Public Safety Program

Model: HGV-4907U

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, lightweight design
 - Vented end cap and drain holes in base
 - Integral N-Female connector
 - Can be installed in up or down positions
 - Optional antenna mounts available



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Description

Homeland Security and Public Safety Programs

Hyperlink's new product line of high quality 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.

High Performance

The HyperGain® HGV-4907U is a high performance Omni-directional WiFi antenna. This compact and lightweight antenna is ideally suited for multipoint and mobile applications where high gain and wide coverage is desired.

All Weather Operation

Constructed for all weather operation, the HGV-4907U features a durable UV-stable machine gray fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the HGV-4907U to be mounted in up or down positions.

Versatile and Economical

This antenna features an integral N-Female bulkhead type connector that mounts through the wall of an equipment enclosure. Included with these antennas is the 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.





Specifications

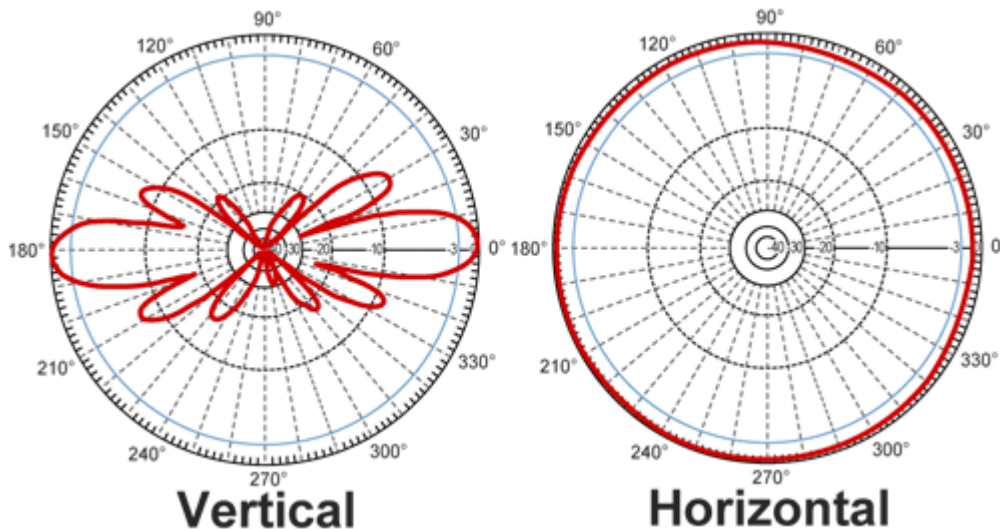
Electrical Specifications

Frequency	4900-5000 MHz
Gain	7 dBi
Impedance	50 Ohm
VSWR	< 2.0:1 avg.
Maximum Input Power	100 W

Mechanical Specifications

Polarization	Vertical
Vertical Beam Width	12°
Horizontal Beam Width	360°
Weight	0.3 lbs. (.13 kg)
Length	14 in. (355 mm)
Base Diameter	1.27 in. (3.22 cm)
Radome Diameter	.75 in. (1.90 cm)
Radome Material	Gray Fiberglass
Wind Survival	>150 MPH
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Antenna Connector	Integral N-Female

Antenna Gain Pattern



Mounting Options



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