

1.9 GHz Professional 11 dBi High Performance Omnidirectional Antenna - Model: HG1911U-PRO

Applications and Features

- Applications:**
- 1.9 GHz band applications
 - Personal Communication Service (PCS)
 - Multipoint applications

- Features:**
- Superior performance
 - Rugged industrial grade design
 - Lightweight fiberglass radome
 - Solid brass elements
 - All weather operation
 - Integral N-Female connector
 - Includes heavy-duty steel mast mounting brackets
 - RoHS Compliant



Description

The HyperGain® HG1911U-PRO is a high performance omnidirectional antenna designed for the 1900 MHz band. It is ideally suited for multipoint Personal Communication Services (PCS) and 1.9GHz cellular band applications where high gain and wide coverage is desired.

This antenna features an integral N-Female type connector that mounts through the wall of an equipment enclosure. Included with the HG1911U-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 1.52" diameter white fiberglass radome for durability, aesthetics and long service life. It is designed for all weather operation.

Specifications

Electrical Specifications

Frequency	1880 - 1990 MHz
Gain	11 dBi
Vertical Beam Width	9 degrees
Electrical Down-tilt	2 degrees
Impedance	50 Ohm
Max. Input Power	150 Watts
VSWR	< 1.5:1 avg.

Mechanical Specifications

Connector	Integral N-Female
Weight	2.6 lbs. (1.2 Kg)
Length	49.2 in. (1.24 m)
Radome Diameter	1.52 in. (38.6mm)
Base Diameter	1.69 in. (42.9mm)
Radome Material	Gray Fiberglass
Mounting	1¼" to 2" dia. mast max. (31.7mm to 50.8mm dia.)
Polarization	Vertical
Operating Temperature	-40° C to to 60° C (-40° F to 140° F)
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading
100	17 lb.
125	27 lb.

RF Antenna Gain Patterns

