

HyperLink Wireless 5 GHz 18 dBi Flat Panel CPE Antenna/Enclosure Model: HG5158PEV

Applications

- 5.4 GHz - 5.8 GHz ISM band applications
- IEEE 802.11a , 802.16 WiMax networks
- Directional and multipoint applications
- Bluetooth, WiFi, RFID, WiMAX
- Public Wireless Hotspot
- Wireless Video Systems

Features

- Internal equipment bay for mounting radios, amplifiers and other wireless equipment
- Durable UV-stable, UL flame rated radome
- Weather tight cable gland with removable RG45 pass-thru connector
- Can be installed for either vertical or horizontal polarization
- Includes tilt and swivel mast mount hardware



Description

The HG5158PEV features a high performance directional flat patch antenna suitable for applications in the 5.1 GHz to 5.8 GHz (5100-5800 MHz). The wideband 5 GHz design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of in-building wireless applications where wide coverage is desired.

Internal Equipment Bay

This lightweight antenna features an internal equipment bay for mounting radios and electronics. Standoffs are provided to ease installation of internal equipment. A weather tight cable gland with removable RJ45 pass-thru connector allows access to the internal equipment bay. The cable gland can be used with or without the RJ45 pass-thru connector. Radios mounted inside the HG5158PEV can connect to the antenna via an internal SMA Female connector. The HG5158PEV can be purchased with or without premade pigtail cables (see model chart below).



Designed for outdoor use (can also be used indoors), the HG5158PEV features a gasket equipment bay lid to keep the elements out of the internal compartment. The rugged UV-stable, UL flame rated white plastic radome helps ensure long operation life. The HG5158PEV is supplied with a 60 degree tilt and swivel mast-mounting kit.

Specifications

Model Number	Pigtail Cable
HG5158PEV	Not Included
HG5158PEV-MMCX	(1) SMA Male to MMCX Plug, 7.9 in (20cm)
HG5158PEV-RSP	(1) SMA Male to RP-SMA Plug, 7.9 in (20cm)
HG5158PEV-RTP	(1) SMA Male to RP-TNC Plug, 7.9 in (20cm)
HG5158PEV-UFL	(1) SMA Male to U.FL Plug, 7.9 in (20cm)

Electrical Specifications

Frequency	5100-5800 MHz
Gain	18 dBi
Horizontal Beam Width	12.5°
Vertical Beam Width	12.5°
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 Avg.
Lightning Protection	DC Short

Mechanical Specifications

Enclosure Connector	Weather tight cable gland with removable RG45 pass-thru connector
Weight	2.84 lbs. (1.29 Kg)
Overall Dimensions	10.0 x 10.0 x 2.7 in. (253 x 253 x 70 mm)
Equipment Bay Dimensions	9.0 x 9.0 x 1.75 in. (229 x 229 x 45 mm)
Radome Material	UV-Resistant ABS
Flame Rating	UL 94HB
Operating Temperature	-40° C to 80° C (-40° F to 176° F)
Wind Survival	> 150 mph (241 kph)
Mounting	1-1/4 to 2 in. (32 to 53 mm) dia. masts
Vertical Tilt	0-60°

RF Antenna Patterns

