HyperLink Wireless Brand 5.1-5.8 GHz 6 dBi UP Series Omni-directional Antenna Model: HG5158-09UP-NF

Applications

- 5.3 GHz, 5.4 GHz and 5.8 GHz band applications
- IEEE 802.11a/n wireless LAN
- WiMAX, WISP and WiFi compatible
- Point to multipoint applications
- Wireless video systems

Features

- Durable UV-stable all weather PVC radome
- Sealed end cap
- Drain holes in base
- Integral N-Female connector
- Includes mast mounting hardware

RoHS Compliant

Description

High Performance

The HyperLink UP Series HG5158-06UP-NF is an economical yet high performance Omni-directional antenna designed for 5.1 GHz through 5.8 GHz band applications. These compact and lightweight antennas are ideally suited for IEEE 802.11a and 802.11n wireless LANs, public wireless hotspot application and other multipoint applications where wide coverage is desired and multiple frequencies are available for use.

Versatile and Economical

The HG5158-06UP-NF antenna features an integral N-Female bulkhead type connector that enables it to be mounted through the wall of an equipment enclosure. The included mast mounting kit consists of a heavy-duty steel bracket and a pair of U-bolts which allows installation on masts up to 2.0" in diameter.

All Weather Operation

Constructed for all weather operation, the HG5158-06UP-NF features collinear brass elements inside a durable UV-stable white PVC radome. The end cap is sealed while the drain holes at the base help prevent condensation build-up inside the antenna.

Specifications

Electrical Specifications

Frequency Range	5100 – 5875 MHz
Gain	6 dBi
Horizontal Beam Width	360°
Vertical Beam Width	16°
Polarization	Vertical
Impedance	50 Ohms
Max. Input Power	50 Watts
VSWR	< 1.5:1 Avg.
Connector	Integral N-Female Bulkhead

Mechanical Specifications

Weight (including bracket)	1.32 lbs. (0.6 kg)
Radome Material	White PVC
Radome Diameter	0.98 in. (25mm)
Base Diameter	1.14 in. (29mm)
Length	11.81 in. (300mm)
Mounting Mast Size (dia.)	1.37-1.96 in. (35-50mm)
Rated Wind Velocity	130mph/h (210km/h)

RF Antenna Patterns

Vertical   Horizontal