

## HyperLink Wireless Brand 5.8 GHz 6 dBi Omnidirectional Antenna Model: HG5806U-PRO

### Applications

- 5.8 GHz IEEE 802.11a applications
- 5.8 GHz UNII and ISM applications
- Wireless video systems
- Point to multipoint applications

### Features

- Superior performance
- Heavy duty industrial grade design
- Fiberglass radome
- All weather operation
- Integral N-Female connector



### Description

#### Professional Performance

The HyperLink Brand HG5806U-PRO is a professional high gain omni-directional base station Wi-Fi antenna designed and optimized for the 5.8 GHz ISM and UNII band. This antenna is ideally suited for multipoint applications where long range and wide coverage is desired.

#### Rugged and Weatherproof

The HG5806U-PRO construction features a heavy-duty fiberglass radome for durability and aesthetics. Designed to operate in the harshest of environments, the HG5806U-PRO far exceeds other omni-directional antennas. The included mounting system features heavy-duty mast clamps, allowing installation on masts from 1.8 inches (30 mm) up to 2.4 inches (60 mm) diameter. This antenna features an integral N-Female connector.



## Specifications

### Mechanical Specifications

|                    |                                    |
|--------------------|------------------------------------|
| Connector          | Integral N-Female                  |
| Weight             | 1.9 lbs (0.87kg) Including Bracket |
| Radome Material    | Fiberglass                         |
| Radome Diameter    | 2.05 in. (52mm)                    |
| Length             | 14 in. (370mm)                     |
| Mounting Mast Size | 1.8"-2.4" (30-60mm)                |

### Electrical Specifications

|                      |               |
|----------------------|---------------|
| Frequency            | 5725-5850 MHz |
| Gain                 | 6 dBi         |
| Horizontal Beamwidth | 360°          |
| Vertical Beamwidth   | 21°           |
| Polarization         | Vertical      |
| Impedance            | 50 Ohm        |
| Max. Input Power     | 100 Watts     |
| VSWR                 | < 1.6         |
| Lightning Protection | DC Short      |

### RF Antenna Patterns

