

## HyperLink Wireless Brand 3.5 GHz 16 dBi 90° Dual Polarized Sector Panel Antenna Model: HG3517DP-090

### Applications

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- 3.5 GHz Band applications
- Wireless LAN systems & IEEE 802.16e applications
- Mobile WiMAX
- Wireless Internet Provider "cell" sites
- SOFDMA

### Features

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- MIMO – Multiple-Input and Multiple-Output
- Dual Polarity feed system in a single enclosure
- UV-resistant radome for all-weather operation
- Two integral N-Female connectors



### Description

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#### Superior Performance

The HyperLink Brand HG3517DP-090 Sector Panel Antenna combines vertical and horizontal polarization, high gain with a 90 degree beam width in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-point or point-to-multipoint applications in the 3.5 GHz frequency band.

This antenna incorporates advanced dual polarization technology that allows for the interoperability of two radios transmits and receives path. This technology allows for the attenuation of unwanted signals from adjacent channels and/or co-located equipment.

#### Rugged and Weatherproof

The dual polarized sector antenna features a heavy-duty UV-resistant plastic radome for all-weather operation. The heavy-duty mounting system allows installation to various degrees of incline for easy alignment. Horizontal coverage is a full 90 degrees.

**Specifications**

**Mechanical Specifications**

<b>Connector</b>	Integral N-female
<b>Weight</b>	3.5 lbs (3.0 kg)
<b>Radome Material</b>	Grey color ASA
<b>Dimensions</b>	27.5 x 4.5 x 2.3 in (700 x 115 x 60 mm)
<b>Mast Mount Size (Diameter)</b>	1.4 to 2.1 in. (35.5 to 53.3 mm)
<b>Rated Wind Velocity</b>	130.5 mph

**Electrical Specifications**

<b>Frequency Range</b>	3400-3700 MHz
<b>Gain</b>	17 dBi
<b>Front to Back Ratio</b>	>25 dB
<b>Isolation</b>	>28 dB
<b>Upper sidelobe Suppression</b>	>15 dB
<b>Cross-polar ratio</b>	≥15 (±60°≥10)
<b>Horizontal Beamwidth</b>	90°
<b>Vertical Beamwidth</b>	7°
<b>Polarization</b>	Vertical and Horizontal
<b>Nominal Impedance</b>	50 Ohm
<b>Max. Input Power</b>	100 watts
<b>VSWR</b>	<1.5

**RF Antenna Patterns**

