

HyperLink Wireless Brand 5.8 GHz 17 dBi Radome Enclosed Yagi Antenna Model: HG5817Y-NF

Applications

- 5.8 GHz ISM and UNII applications
- IEEE 802.11a wireless LAN
- Long range directional application
- 5.8 GHz wireless video systems
- Point to multi-point systems

Features

- UV Stable ABS radome provides protection
- All weather operation
- 30° beam width coverage
- Lightweight design
- Includes tilt and swivel mast mount



Description

The HyperLink HG5817Y-NF Radome Enclosed Yagi antenna features high gain and a 30° beam width. It is ideally suited for directional and multipoint IEEE 802.11a/n Wifi and wireless LAN applications and other systems operating in the 5.8GHz ISM band.

The HG5817Y-NF is enclosed within a UV-stable ABS radome for all-weather operation. Included with the antenna is a 60° tilt and swivel mast mount kit. This allows the installer to make accurate alignment over a wide range of pointing angles.

The HG5817Y-NF features a 10 inch (25.4mm) coax cable terminated with an N-Female connector. Additional connector type are available, please inquire when ordering for options.



Specifications

Electrical Specifications

Frequency Range	5725 – 5825 MHz
Gain	16.5 dBi
Polarization	Vertical
Horizontal Beam Width	30°
Vertical Beam Width	25°
F/B Ratio	≥ 18 dB
VSWR	<1.5
Impedance	50 Ohm
Max. Input Power	100W
Lightning Protection	DC Ground

Mechanical Specifications

Connector	N-Female
Dimensions	16.5 x 3.25 x 1.5 in (420 x 82 x 38mm)
Weight	8.8 lbs (0.4kg)
Radome Material	Weatherproof ABS
Reflector Material	Aluminum Alloy
Cable Length	10 in. (254mm)
Mounting Method	Mast
Mast Size Diameter	1.6 – 2.0 in. (40 – 50 mm)
Operation Temperature	-40°C to +65°C (-40°F to +149°F)
Rated Wind Velocity	130 mph (210km/h)
RoHS Compliant	Yes

RF Antenna Patterns

