

HyperLink Wireless 2.4 GHz 20 dBi 120° Sector Antenna - ANATEL® APPROVED Model: HG2420P-120

Applications

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g and 802.11n Wireless LAN Applications
- Bluetooth® & Public Wireless Hotspot
- WiFi & Wireless Video Systems
- Wireless Internet Provider "cell" sites

Features

- 120° beam-width
- 20° Down-Tilt Mounting Bracket
- All weather operation
- Integral N-Female Connector
- Includes Mast Mounting Hardware



Description

Superior Performance

The HyperLink HG2420P-120 Sector Panel WiFi Antenna combines very high gain with a wide 120° beam-width. It is a professional quality "cell site" antenna designed primarily for service providers in the 2.4GHz ISM band. Applications include IEEE 802.11b and 802.11g wireless LAN systems.



ANATEL®APPROVED

This antenna has been homologated (tested) in Brazil and is ANATEL® APPROVED for all installations in Brazil. This is another antenna in a series of L-com antennas certified for installation and use throughout Brazil.

Rugged and Weatherproof

This antenna features a heavy-duty plastic radome for all-weather operation. The mounting system adjusts from 0 to 20 degrees down-tilt.



Ideal for Wireless Internet "Cell" Sites

This antenna is an ideal choice for Wireless Internet Provider "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle. Horizontal coverage is a full 120 degrees, and side-radiation is minimized by the heavy-duty aluminum reflector.

Specifications

Mechanical Specifications

Weight	12 lbs. (5.44 Kg)
Dimensions	39 x 9 x 2.5 inches (99 x 22.9 x 6.4 cm)
Radome Material	UV-Inhibited Polymer
Reflector Material	Aluminum
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	2 inch (5 cm) O.D. pipe max.
Polarization	Vertical
Downtilt (mech)	0 to 20 degrees (adjustable)
Compliant	ANATEL® Brazil and RoHS

Electrical Specifications

Frequency	2400-2500 MHz
Gain	20 dBi
Horizontal Beam Width	120 degrees
Vertical Beam Width	+/- 5°
Impedance	50 Ohm
Max. Input Power	250 Watts
VSWR	< 1.3:1 avg.
Connector	N Female
Lightning Protection	DC Short

Wind Loading Data

Wind Speed (MPH)	Loading – Front	Loading - Side
100	127 lbs.	35 lbs.
125	198 lbs.	55 lbs.

RF Antenna Patterns

