

If It's Critical, It's L-com

900 MHz 13 dBi 120 Degree Sector Panel Antenna

HG913P-120

Features

- · 20° Down-Tilt Mounting Bracket
- Includes Mast Mounting Hardware
- Integral N-Female Connector

Applications

• 900 MHz ISM/GSM

- · LPWAN, LoRA, IoT, M2M
- RFID

Description

The HyperLink HG913P-120 Sector Panel Antenna provides 13 dBi gain with a wide 120° beam-width. It is a professional quality "cell site" antenna designed primarily for service providers in the 900MHz band. It is ideally suited for 900MHz ISM and GSM bands. Typical applications include 900MHz Wireless LAN, SCADA, LPWAN, LoRA, IoT, M2M, and 900MHz Cellular. This antenna features a heavy-duty plastic radome for all-weather operation. The mounting system adjusts from 0 to 18 degrees down tilt. This sector antenna is an ideal choice for Wireless Service Internet Provider "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle. The 120° beam-width is ideal for covering large service areas.

· Vertical Polarized

SCADAZigBee

· All weather operation

Configuration

Design	Sector
Application Band	RFID, SCADA, LPWAN, ISM
Band Type	Wide
Radiation Pattern	Directional
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Short
Radiation Pattern Polarization Connector Type Number of Ports Lightning Protection	Directional Vertical N Female 1 DC Short

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Center Frequency		915		MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		13		dBi
Input Power			300	W

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency	0.86 to 0.96					GHz
Gain	13					dBi
Horizontal HPBW	120					Degrees
Vertical HPBW	15					Degrees





900 MHz 13 dBi 120 Degree Sector Panel Antenna

HG913P-120

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Maximum Input Power	300					Watts
Mechanical Specifications	i					
Radome Material		Р	olymer			
Size Length Width Height Mounting Mast Diamete Weight Mechanical Specificatio Radome material is UV-	er n Notes: -inhibited Polymer.	4 1 5 2 3	9.1 in [124.71 cm] 1.2 in [284.48 mm 2 in [132.08 mm] to 4.3 in [50 to 11 2 lbs [14.51 kg]] ı] 10 mm]		
Environmental Specific	ations					
Temperature Operating Range Mechanical Tilt Wind Loading		-2 0 1- 2	0 to +60 deg C to 18 Degrees (a 47 lbs at 100 mph 27 lbs at 125 mph	djustable) 1 1		

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

© 2025 Infinite Electronics, Inc. L-com is a registered trademark of Infinite Electronics, Inc.



If It's Critical, It's L-com

900 MHz 13 dBi 120 Degree Sector Panel Antenna

HG913P-120

Typical Radiation Pattern

RF Antenna Gain Patterns



Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

900 MHz 13 dBi 120 Degree Sector Panel Antenna from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: https://www.l-com.com/wireless-antenna-900-mhz-13-dbi-120-degree-sector-panel-antenna.html

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.