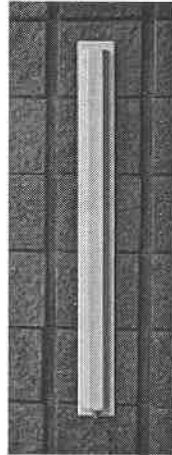


2.4GHz 14dBi 120 degree Sector Panel Antenna

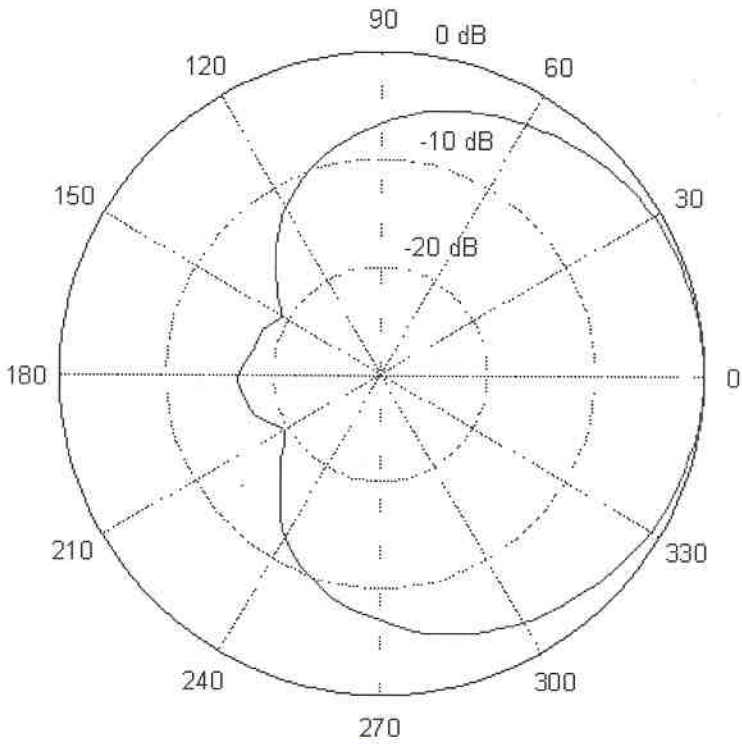
Model Number: PNI20-14



Technical Specifications

No	ITEM	TYPICAL	REMARKS
1	Frequency Range	2400 – 2483 MHz	
2	Impedance	50 Ω	
3	VSWR (or Return Loss)	$\leq 1.5:1$ (or $\geq 14\text{dB}$)	
4	Gain	≥ 14 dBi	
5	Polarization	Vertical, Linear	
6	3dB Horizontal Beamwidth	120°	See attached plot
7	3dB Vertical Beamwidth	8°	See attached plot
8	Front to Back Ratio	$\geq 18\text{dB}$	See attached plot
9	Max. Power Input	20W	
10	Connector	N-Type, Bottom-Feed	
11	Appearance	Panel Type	
12	Size	52× 507× 30 [mm]	
13	Housing Material	Powder Coated Aluminum	
14	Radome Material	ASA with UV Protection	
15	Radome Color	White	
16	Case Design	Water Resistant	
17	Weight	280g	
18	Wind Loading (Frontal)	$\geq 2\text{Kg}$	200km/h
19	Temperature Range	-30 to +75 ° C	
20	Storage Temperature	-30 to +75 ° C	
21	Sensing Resistor or DC-Ground	Yes	
22	Mounting Hardware	Gear Clamp	
23	Life Expectancy	20 years	

Radiation Pattern (H-Plane)



Radiation Pattern (E-Plane)

