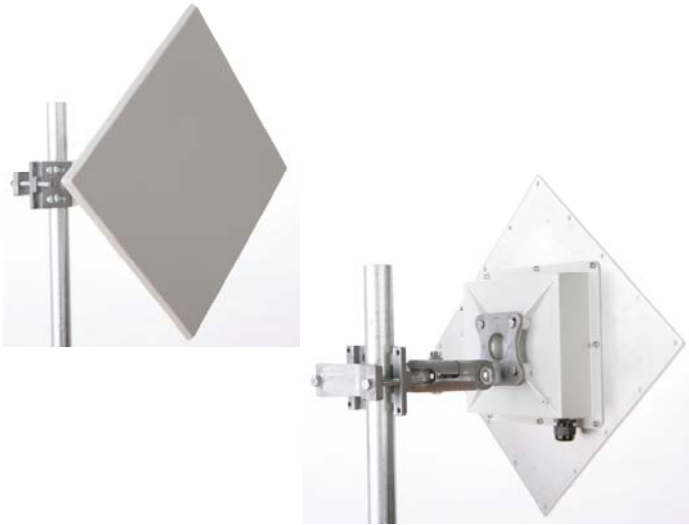


4.9-5.1GHz 19dBi & 5.1-5.9GHz 23dBi Panel Antenna for ARC IES™, Integrated Enclosure Solution



- ◆ High gain, low cost circuit design
- ◆ Low profile and rugged design for outdoor use
- ◆ US Engineered
- ◆ Manufactured under strict US quality control procedures
- ◆ Fits with ARC's IES™, Integrated Enclosure Solution SOLD SEPARATELY— Part # ARC-IE1001K02 or ARC-IE2000K01 (Gen II); both include ARC ABS™, Articulating Bracket Solution
- ◆ Custom Enclosures Available

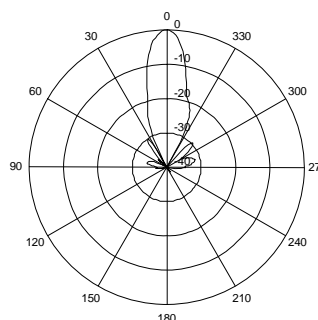
Mechanical and Environmental Specifications	
Length x Width x Depth	13.3in x 13.3in x .43in (338mm x 338mm x 10.9mm)
Weight	2.02lb (.92kg)
Backplane	Aluminum
Enclosure	Gray, Powder-coated die-cast aluminum
Radome	Gray, Injection Molded UV stabilized ABS plastic
Wind Survivability	125mph (201kph)
Wind Load	1.23ft ² (0.12m ²)
Operating Temperature Range	-49°F to +149°F (-45°C to +65°C)
Pole Mount Diameter Range	0.75in to 3.0in (19mm to 76mm)

Electrical Specifications	
Frequency Range	4.9-5.1GHz/5.1-5.9GHz
Gain	19dBi/23dBi
3dB Beamwidth Vertical/Horizontal	10deg/10deg
Polarization	Single linear, horizontal or vertical
VSWR	≤1.5:1 typ., ≤1.7:1 max.
Front-to-Back Ratio	>40 dB
Cross Polarization	>30 dB
Power Rating	30 watts
Impedance	50 ohms
Lighting Protection	DC ground
Connector Type	R/A SMA Jack

Ordering Information	
<u>Part #</u>	<u>Description</u>
ARC-IA5823B02	4.9/5.8GHz 19/23dBi, R/A SMA Jack

Shipping Information	
<u>Sizes and Weights</u>	<u>Description</u>
25in x 16in x 14.5in (635mm x 406mm x 368mm) 22lb, (10kg)	Antenna Packaging includes 10 antennas in a single over pack box

RF Patterns
Vertical Cut, typ.



RF Patterns
Horizontal Cut, typ.

