

Integrated Enclosure Solution

4.9-5.1GHz 19dBi & 5.1-5.9GHz 23dBi Panel Antenna



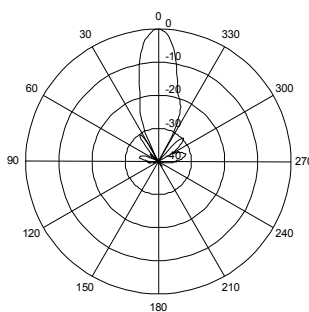
- ◆ High gain, low cost, patented circuit design
- ◆ Low profile and rugged design for outdoor use
- ◆ Weather tight, heavy duty die-cast compartment behind antenna for directly integrating electronics
- ◆ Meets IP67 waterproofing requirements
- ◆ High strength mounting bracket is included
- ◆ Options and custom designed adapter plates available

Mechanical and Environmental Specifications	
Antenna Dimensions Length x Width x Depth	13.3in x 13.3in x 1.7in (338mm x 338mm x 43mm)
Outer Enclosure Dimensions Length x Width x Depth	9.84in x 10.22in x 2.7in (250mm x 260mm x 69mm)
Inner Enclosure Dimensions Length x Width x Depth	8.05in x 7.28in x 2.24in (204mm x 185mm x 57mm)
Combined Weight	4.50lb (2.0kg)
Backplane	Aluminum
Enclosure	White, Powder-coated die-cast aluminum
Radome	White, 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)

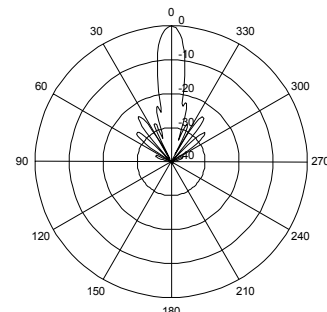
Shipping Information	
Sizes and Weights	Description
25in x 16in x 14.5in (635mm x 406mm x 368mm)	Antenna Packaging includes 10 antennas in a single over pack box
22lb, (10kg)	
22in x 18in x 12in (559mm x 457mm x 305mm)	Enclosure Packaging includes 10 enclosures in a single over pack box NOTE: brackets ship separately
29.4lb, (13.3kg)	

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	≤1.7:1
Front-to-Back Ratio	>40 dB
Cross Polarization	>30 dB
Power Rating	30 watts
Impedance	50 ohms
Lighting Protection	DC ground
Connector Type	Integral SMA jack

RF Patterns
Vertical Cut, typ.



RF Patterns
Horizontal Cut, typ.



Ordering Information	
Part #	Description
ANT-A-2145-01	4.9/5.8GHz 19/23dBi Integrated Enclosure Solution

www.antennas.com

Don't see what you need? Contact us to discuss alternate configurations

Specifications subject to change without notice