

Prolix Microcell Sector Antenna

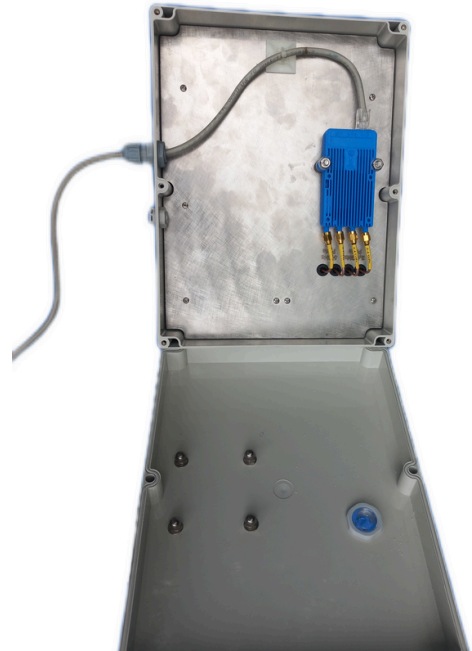
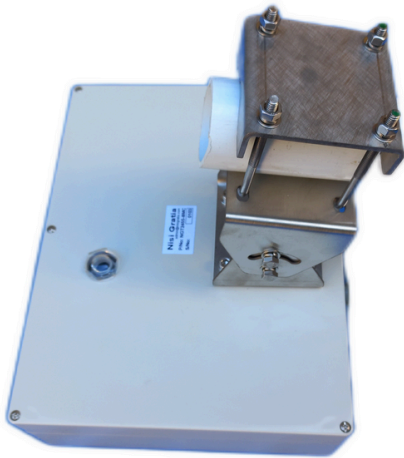
Designed for Rajant AG1 Cardinal

The Prolix Microcell Sector Antenna is meticulously designed to seamlessly accommodate Rajant Cardinal Breadcrumbs, ensuring peak performance and environmental resilience.

Installed on stationary infrastructure, Prolix Sector Antennas enhance network coverage in expansive and rugged environments. With extended reach, these antennas deliver exceptional performance, seamless communication, and expanded coverage, even in the most demanding conditions. The Prolix Sector NGT2455-8MC provides 10 dBi of gain in a 90-degree sector.

Ideal for extending coverage in warehouse automation and robotics applications.





Specifications Prolix NGT-2455-8MC

Model	Prolix NGT-2455-8MC	
Suitable for	Cardinal	
Frequency	2.3 – 2.5 GHz	5.15 – 5.85 GHz
Gain (dBi)	10.8 dBi nom	10.6 dBi nom
Polarisation	Vertical	
Patterns	Sectoral	
Azimuth beamwidth	85 +/- 2 degrees (-3dB) 102 +/- 2 degrees (-4.5dB)	68 +/- 2 degrees (-3dB) 85 +/- 2 degrees (-4.5dB)
Elevation beamwidth	34 +/- 2 degrees (-3dB) 40 +/- 2 degrees (-4.5dB)	32 +/- 2 degrees (-3dB) 38 +/- 2 degrees (-4.5dB)
Input impedance	50 Ohms	
VSWR	Maximum 2.0:1 Typical 1.5:1	
Maximum input power	5 Watts	
Isolation between ports	> 20 dB min (Typical > 25 dB)	
RF interface	2+2 x SMA(m) connector	
Interface	Cable gland UTP CAT6 3m	
Antenna Construction	ABS Radome with Stainless steel (304) base plate	
Mounting	Pole or customer specification.	
Mounting option pole	Pole mount diameter <55mm	
Dimensions (Antenna & housing)	300 x 230 x 68 mm (W x H x D)	
Dimensions (Inc pole bracket)	300 x 230 x 220 mm (W x H x D)	
Antenna Weight (Inc. bracket)	2.6 kg	