

Prolix Microcell Omni Antenna

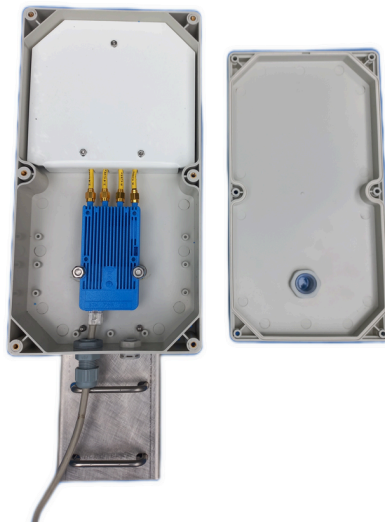
Designed for Rajant AG1 Cardinal

The Prolix Microcell Omni Antenna is a versatile dual-band 2.4/5GHz omnidirectional antenna. It is designed to seamlessly integrate with Rajant AG1 Cardinal Breadcrumbs, ensuring optimal performance and environmental durability.

Meant for stationary infrastructure deployment, Prolix Omni Antennas expand network coverage in wide-ranging and industrial environments. With its 360-degree coverage, this antenna provides seamless communication and enhanced coverage across various applications. The Prolix Omni NGM2455-25MC model offers 5dBi of gain, ensuring robust connectivity in all directions.

Ideal for applications such as warehouse automation, precision agriculture, and connecting swarms of autonomous drones, where reliable network coverage is essential for optimized performance and efficiency.





Specifications Prolix NGM-2455-25MC (Dual Band)

Model	Prolix NGM-2455-25MC	
Suitable for	Cardinal	
Frequency	2.3 – 2.5 GHz band	5.15 – 5.85 GHz band
Gain (dBi)	2 dBi Nominal	5 dBi Nominal
Polarisation	Vertical	
Patterns	Omni-Directional	
Azimuth gain variation	+/- 1dB	+/- 1.5 dB
Elevation 3dB beamwidth	64 +/- 2 degrees	26 +/- 2 degrees
Input impedance	50 Ohms	
VSWR	2.0:1 Maximum 1.5:1 Typical	
Maximum input power	5 Watts	
RF interface	2 + 2 x SMA(m) Connector	
Interface	Cable gland UTP CAT6 3m	
Antenna Construction	ABS Radome with Stainless steel (304) backplate and brackets	
Mounting	Pole or customer specification.	
Mounting option pole	Pole mount diameter <55mm	
Dimensions (Antenna & housing)	310 x 155 x 60 mm (L x W x H)	
Dimensions (Inc pole bracket)	410 x 155 x 120 mm (L x W x H)	
Weight	1.2 kg	