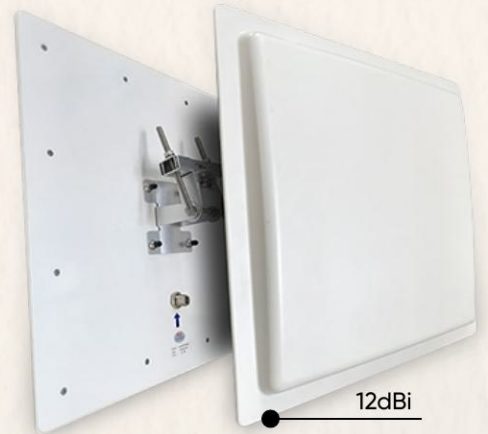




ISO/IEC 18000-63 UHF RFID Antenna

SKU:	RS-ATN
Frequency:	EU 865-868 MHz US 902-928 MHz
Protocol:	ISO/IEC 18000-63
IP Rating:	IP67
Gain Values:	5dBi/9dBi/12dBi
Rated Wind Velocity:	60m/s
Max Input Power:	20W

This UHF RFID antenna series offers three models with gains of 5dBi, 9dBi, and 12dBi, each designed to deliver reliable, secure, and high-performance RFID reading and writing across various distances and environments. Compact and lightweight, these antennas feature IP67-rated durability for easy installation and robust protection. They are widely used in applications such as logistics and warehouse management, access control, production line monitoring, retail, transportation, healthcare, finance, and event management.

Gain Values	5dBi	9dBi	12dBi
Dimensions(H×W×D)	145×145×20mm	255×255×30mm	445×445×30mm
Weight(with mounting bracket)	0.73kg	1.27kg	2.66kg
Radome Color	white	Off-white	Off-white
Mounting Bracket	Pole-mounted: Ant-MOT-RC05-145/145-P	Pole-mounted: Ant-MOT-RC09-255/255-P	Pole-mounted: Ant-MOT-RC12-455/455-P
	Wall-mounted: Ant-MOT-RC05-145/145-W	Wall-mounted: Ant-MOT-RC09-255/255-W	
Connector Type	SMA Female	N-Type Female	N-Type Female
3dB Beam-Width. H-Plan	80°	60°	40°
3dB Beam-Width. E-Plan	70°	55°	38°

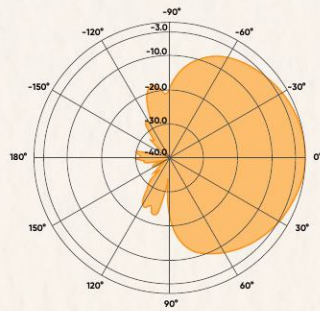
Physical Information	Radome Material	ABS
	Support Pole Diameter	Ø30 -Ø50mm
	Radiating Plate Material	Aluminium
	Antenna Cables(optional)	Ant-CA-SMA.M/N.M-LMR2-1M Ant-CA-SMA.M/N.M-LMR2-5M Ant-CA-SMA.M/N.M-LMR2-15M Ant-CA-SMA.M/N.M-LMR4-5M Ant-CA-SMA.M/N.M-LMR4-15M
	IP Rating	IP67
	Lightning Protection	DC grounding
	Rated Wind Velocity	60m/s

Technical Information	Frequency	EU 865-868 MHz US 902-928 MHz
	Protocol	ISO/IEC 18000-63
	Polarization	Circular Polarization(right-handed)
	VSWR	≤1.3
	Front to back Ratio	≥17dB
	Input Impedance	50Ω
	Max Input Power	20W

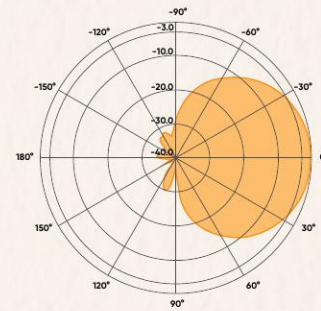
Additional Information	Operating Environment	-20 to +65°C, 10% to 95% RH
	Storage Environment	+18 to +28°C, 10% to 95% RH
	Industry	Logistics & Warehouse, Manufacturing, Healthcare, Electricity, Defense, Finance, Tickets, Agriculture, Access Control, Parking (9dBi), Retail (9/12dBi) Sports&Event (12dBi), Recreation (12dBi), Transportation (12dBi),
	Application	Logistic & warehouse Management, Access Control, Material management, Shelves management, Healthcare management, Electricity monitoring, Military equipment tracking, Animal husbandry management, Production line control, Financial management, Ticketing systems, Attendance, Forklift commodity reading (5dBi), Anti-counterfeit management (9dBi), Expressway management (9dBi), Parking lot management (9/12dBi), Intelligent transport management (12dBi), Sports event application (12dBi), Swimming pool management (12dBi)

Reading Performance

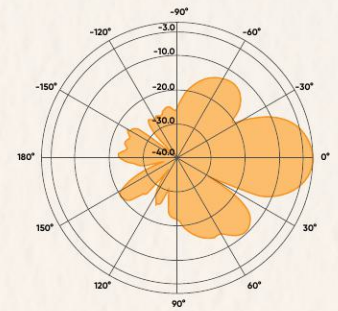
5dBi-E-side



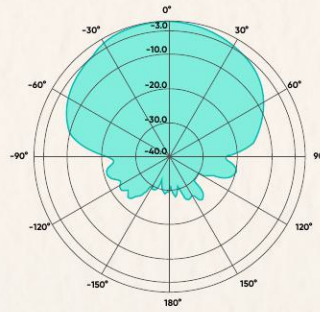
9dBi-E-side



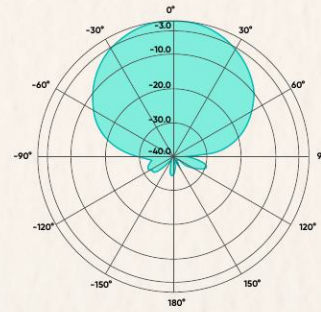
12dBi-E-side



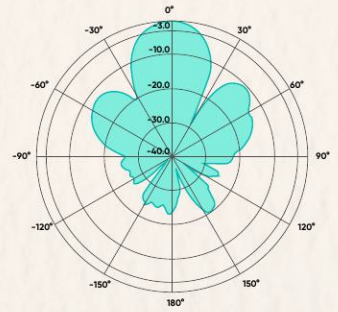
5dBi-H-side



9dBi-H-side



12dBi-H-side



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
 ● **Product Updates and Revisions:** [rfidbridge.com](https://www.rfidbridge.com) may change products, specs, or services at any time without prior notice.
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