



Power Range - Active tags

Product Name		 Power 50	 Power 415
Typical Applications		Container tracking for Yard management Cargo tracking Defense asset management	Manufacturing: Mobile carts, containers and trolleys Logistics: Lay down yards, vehicles and docks Construction: Staging and materials tagging
RF Specifications	Frequency Range (MHz)	866-868 (EU) 902-928 (US)	Active 433 Passive 860 - 930
	Typical Read Range (m) ¹	Up to 50m (BAP mode) Up to 7m (Passive mode)	Active Up to 400m Passive 3-6m
	Battery Life	Up to 5 years ²	Up to 5 years ³
	Material Compatibility	Balanced on and off metal	Optimized for metal and non-metal substrates
	IC Type	EM 4325	Active IEEE 802.15.4 Passive Monza® X-2K
Physical and Environmental Specifications	Encasement	Polycarbonate	Polycarbonate Interior with overmolded TPE
	Size (mm)	139 x 66 x 14	120 x 36 x 30
	Weight (g)	87	92
	Operating Temperature	-20°C to +60°C	-40°C to +60°C
	IP Rating	IP68 Nema PW12 (High pressure liquids immersion)	IP68 Nema PW12 (High pressure liquids immersion)
	Shock and Vibration	IK07 4' drop to concrete MIL STD 810-F	IK07 4' drop to concrete MIL STD 810-F
	Attachment	Manual (std) Thin film adhesive (option) Standard or Premium foam adhesive (option) Rivets, screws, strap, not provided	Screw attachment -(2) #8 screws 5mm (0.2") Cable tie slots each end
Order Codes +	OMNI-P50 (EU, US)	OMNI-P415 OMNI-P415-X (ATEX/IECEx Certification)	

+ Order Option Codes are listed on the datasheets.

* Read Distance can vary based on site characteristics, base station antenna type, height distance and tag configuration.