Omni-ID® Power 400

The Omni-ID Power 400 is a rugged active tag capable of tremendous performance while tracking assets in harsh environments. Over- molded for maximum durability and providing flexible mounting options, the Power 400 includes enough battery capacity for at least 5 years of duty in almost all applications. Radio communications penetrate snow/moisture and provide exceptional distance.
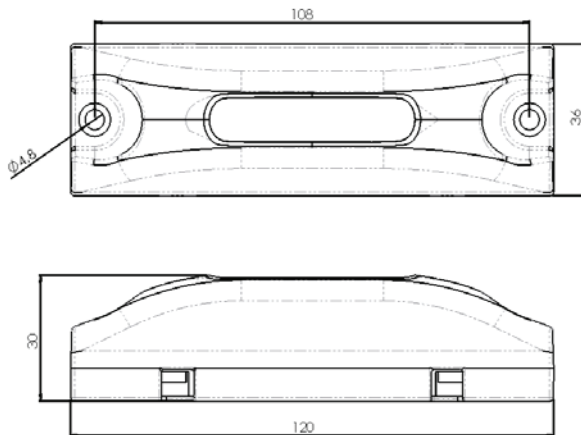
Building Intelligent Supply Chains

Omni-ID Power 400 is perfect for applications requiring long range asset tracking, particularly in harsh environments:

▸ Manufacturing: Mobile carts, containers and trolleys

▸ Logistics: Lay down yards, vehicles and docks

▸ Construction: Staging and materials tagging

Physical Specifications

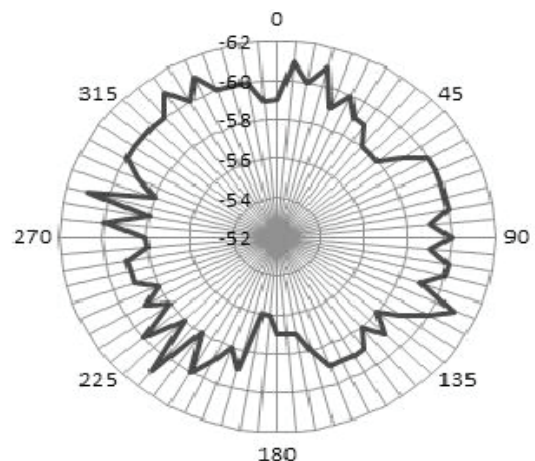|	
Size (mm)	120 × 36 × 30
Size (in)	4.72 × 1.42 × 1.18
Weight (g)	92

Dual Radio	Active	Passive
Power	5 yrs or 50 mil transmits under normal use	Not required
Frequency Range	433 MHz	860 – 930 MHz
Read Range	100–400m	5 - 8m
Memory	128 kb user space	128 kb
RFID	ISO 18000-7 protocol with extended beacons	EPC Gen2 passive tag wakeup and data bridge (Monza® X-2K)

* Indoor installation typical power settings shown. Optimal environments can significantly enhance performance.

Dimensions stated in mm

Radiation Pattern

Building Intelligent Supply Chains

Powerful Features:

▸ **Long Battery Life —** Battery lasts at least 5 years under typical use cases

▸ **Integrated Passive Tag —** Track, trigger and commission with standard readers

▸ **Exceptional Toughness —** Fully sealed and over molded for the most rugged use.

▸ **High Gain Internal Antenna—** Exceptional range and performance in snow, ice or mud.

Environmental Specifications

Operating Temperature	–40°C to +60°C
IP Rating	IP68 Nema PW12 (high pressure liquids immersion)
Shock and Vibration	IK07 4' drop to concrete MIL STD 810
Attachment	Screw attachment with two #8 screws 5mm (0.2") Cable tie slots each end
Colors and Labeling	Orange or Black Can be source encoded and labeled
Certifications	EN55022 Class A, EN50082-2 UL60950, UL1604 CSA, RoHS FCC Class A digital device according to FCC Part 15 and ICES-003
Warranty	1 year

Ordering Information

Product Name:	Description
OMNI Power 400	Active RFID tag DASH7 Protocol (433 MHz) Outdoor rated Shipped in minimum boxes of 128