



Omni-ID® Power 100

The Power 100 is an industrial active tag capable of tremendous performance while tracking for indoor applications. Constructed of high impact PC/ABS blend including flexible mounting options, the durability of the Power 100 includes enough battery capacity for 4 years of duty in most applications.

Applications

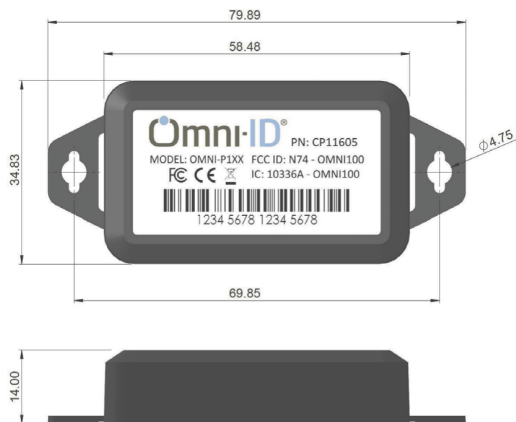
The Omni-ID Power 100 is an ideal tag for indoor applications requiring long range tracking such as:

- ▶ IT Data centers
- ▶ Manufacturing facilities
- ▶ Warehouse management

Physical Specifications

Construction	Black PC/ABS blend
Size (mm)	58.48 × 34.83 × 14
Size (in)	2.30 × 1.37 × 0.55
Weight (g)	29
Attachment	Vertical or horizontal mounting via adhesives screw or clip

Dimensions



Dimensions in mm

RF Specifications

Battery	Li coin cell (CR2450)
Battery Life	Up to 5 years
Beacon Rate	3 - 60 second (configurable)
Read Range	Up to 150m
Data Communication	433.92 MHz Active Radio
Dual Protocol	Power 100 - Omni-ID proprietary Power 115 - IEEE 802.15.4f
Configuration	EPC Gen2 interface with data bridge functions

Environmental Specifications

Storage Temperature	-20°C to +60°C
Operating Temperature	0°C to +40°C
IP Rating	IP65
Ruggedness	4' drop to concrete Shock: 20 G's/9ms Vibration: Sinusoidal 3G 50-500 Hz Random 4G 50-500 Hz
Warranty	1 year

Powerful Features

- ▶ Dual Protocol options; Power 100 - Omni-ID protocol and Power 115 - IEEE 802.15.4f transmit only protocol
- ▶ EPC Gen 2 interface for easy configuration and management
- ▶ Seamless integration with existing ProVIEW or Power 415 installations and infrastructure
- ▶ 3 attachment options for ease of use



Related System Components

OMNI-V3	Omni-ID View 3 Visual display tag
OMNI-V4	Omni-ID View 4 Visual display tag
OMNI-P415	Power 415 Rugged active tag
OMNI-P60/65	Power 60 Personnel active tag
OMNI-NGW	Link Network Gateway (Ethernet)
OMNI-MGW	Link Mobile Gateway (USB/Bluetooth)
OMNI-IANT	Industrial Antenna - omni-directional, horizontally polarized

Ordering Information

OMNI-P100	Industrial active tag, Omni-ID proprietary protocol
OMNI-P115	Industrial active tag IEEE 802.15.4f protocol
OMNI-P100-X OMNI-P115-X	Intrinsically safe versions of the above two products

Certifications:

Europe (CE): EN 300 220-2 V2.4.1, EN 301 489-3 V1.6.
 FCC: CFR47 Part 15.231 , CFR47 Part 15.109(a)
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