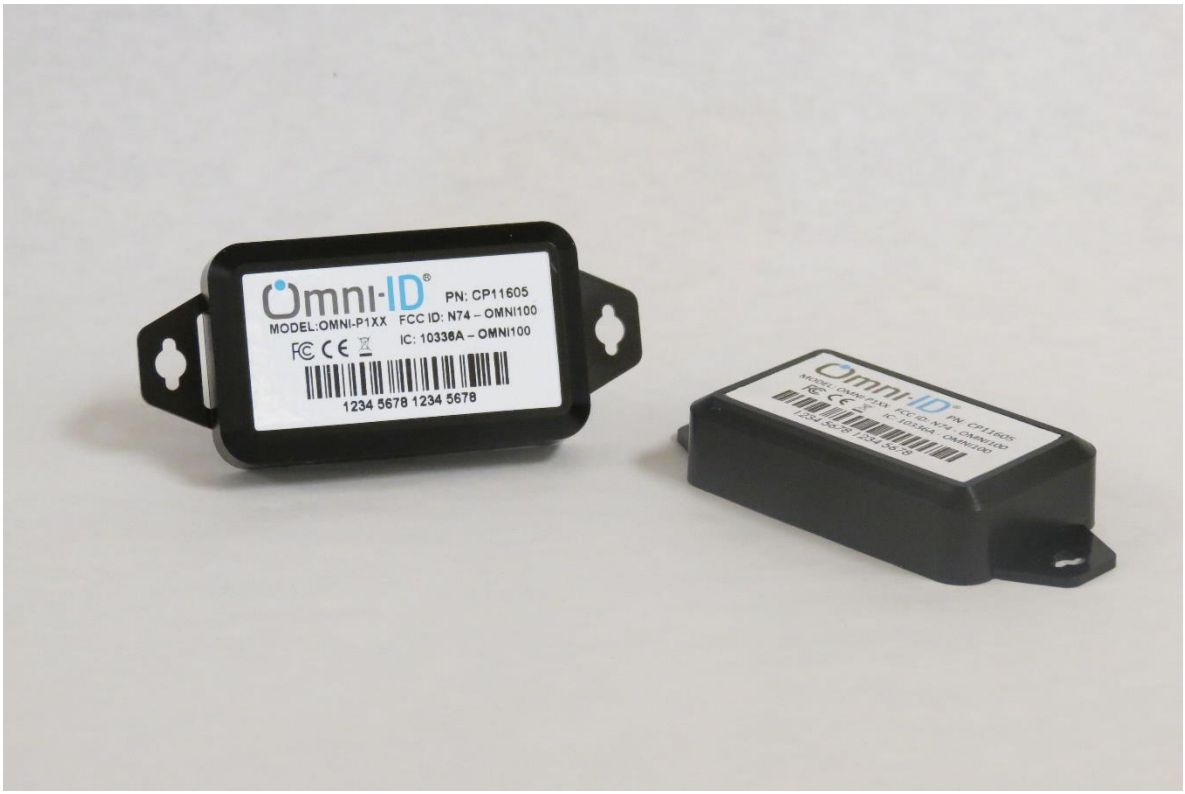
Building Intelligent Supply Chains

User Guide for

Omni-ID® Power 100 and 115

Industrial Tags



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1. INTRODUCTION

ABOUT THIS DOCUMENT

This Guide describes characteristics of the Omni-ID® Power 100 and Power 115 Personnel Tags. For instructions on using these tags with one of Omni-ID's various software offerings, please refer to the documentation provided with the specific application.

RELATED PRODUCTS

OMNI-V3	Omni-ID View 3 visual display tag
OMNI-V4	Omni-ID View 4 visual display tag
OMNI-P400 OMNI-P415	Power 400 rugged active asset tag
OMNI-P60 OMNI-P65	Power 60 personnel active tag
OMNI-NGW	Link Network Gateway (Ethernet)
OMNI-MGW	Link Mobile Gateway (USB/Bluetooth)
OMNI-IANT	Isotropic Antenna – omni-directional, horizontally polarized

CERTIFICATIONS

FCC Part 15.231
RSS-210
ETSI EN 300 220 V2.4.1
ETSI EN 301 489 – Part 1 (V1.9.2)
ETSI EN 301 489 – Part 3 (V1.6.1)

REGULATORY APPROVALS

FEDERAL COMMUNICATIONS COMMISION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

INDUSTRY CANADA STATEMENT

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

2. SPECIFICATIONS

PRODUCT SPECIFICATIONS

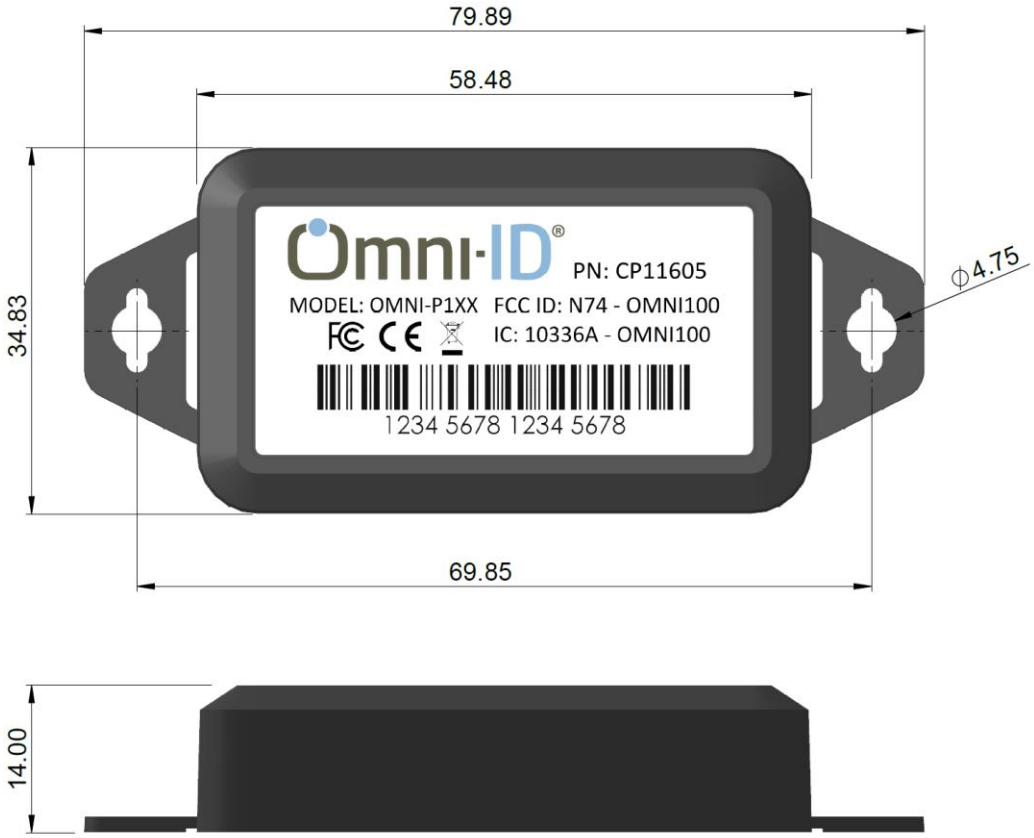
Battery	Lithium coin cell (CR2450)
Battery Life	> 4 years
Read Range	> 150 m typical
Data Communication	433 MHz Active Radio
Protocol	Power 100 - Omni-ID Proprietary Power 115 - IEEE 802.15.4
Configuration	EPC Gen 2 interface with data bridge functions
Beacon rate	3 – 60 sec (configurable)

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

PHYSICAL SPECIFICATIONS

Size (mm)	58 x 35 x 14
Size (in)	2.24 x 1.38 x 0.55
Weight (g)	29
Construction	ABS/Polycarbonate blend
Attachment	Vertical or horizontal mounting via screws, clip or adhesive



3. CUSTOMER SUPPORT

Information about Omni-ID's complete line of RFID products can be found on our website: **www.omni-id.com.**

Additional support is available by phone: **+1 (585) 713-1000** or email: **support@omni-id.com**.