



RFID Labels for People Tracking

Description

Compliant with EPCglobal Class 1, Generation 2 and ISO 18000-6C, the PowerP label provides an affordable, reliable solution for people tracking, overcoming the drawbacks of traditional RFID solutions.

Whereas passive RFID tags have a short read range with limited reliability, and active tags can be bulky and expensive, PowerP provides an affordable, reliable, thin and flexible alternative with read ranges of up to 20 meters.

Affordable People Tracking

PowerP disposable labels can provide exceptional reliability due to the incorporation of PowerID's thin and flexible, environment-friendly battery on board the label, obviating the need to harvest energy from the RF reader.

With its credit card form factor and double-sided PVC coating, the PowerP label can be used for reliable tracking in a variety of applications, including:

- Theme park experience enhancement
- Loyalty programs
- Traveler location at airports
- Access control and presence

Features	Benefits
Gen. 2 compliance	Supported by Gen. 2 infrastructure and off-the-shelf hardware and software
Integrated power source	Eliminating the need to collect energy from reader leads to improved backscattering and near 100% read reliability
UHF RFID	Operates in 860-960 MHz spectrum
Environment-friendly battery	Power of active RFID without the chemicals or heavy metals of an active tag battery
Printable battery	Form factor and affordability of thin and flexible label
Designed for challenging environments	Ideal for tracking people despite high liquid content of the human body

PowerP™ Specifications

Label name	PowerP
Application	People tracking with credit card form factor
Dimensions	85 x 54 x 1.8 mm
Operating frequency	PowerP-U704 (902-928 MHz) PowerP-E704 (865-868 MHz)
Protocol	EPCglobal Class 1, Gen 2 ISO 18000-6C
Memory	96-bit EPC memory 720-bit on-chip user memory 64-bit tag unique identifier
Power source	Integrated proprietary disposable battery
Antenna	Planar printed antenna
Life expectancy	2 years (at room temperature)
Environmental	Operating temperature: -20° C to +60° C Humidity: 5%-95% non-condensing



About DilinxRFID

With the exclusive partnership with PowerID and Power Paper, DilinxRFID incorporates the world-leading Battery-Assisted Passive ("BAP") and Printed Battery Passive ("PAP") technologies into a new generation of RFID tags. Our target applications include: Personnel Tracking, Container Tracking, Cold Chain for food and medicines, and general logistics in challenging environments.

For more information, visit www.DilinxRFID.com



Changzhou DilinxRFID Technologies Company Limited

Hong Kong Office

Units 2001, 20th Floor, Harbour Centre, 25 Harbour Road, Wan Chai, Hong Kong
Email: sales@DilinxRFID.com Tel: +852 3752 1826 Fax: +852 3020 2895

China Office

Room 702, 7/F., Tower A, ECO Grand Business Plaza, No. 66 East Guanhe Road
Tianning District, Changzhou, Jiangsu Province, P.R. China ZIP: 213000
Email: sales@DilinxRFID.com Tel: +86 519 88998995 Fax: +86 519 88998997