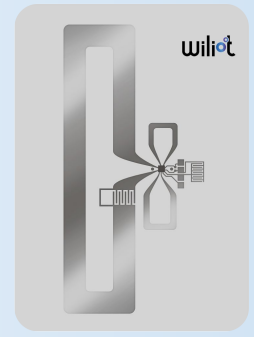
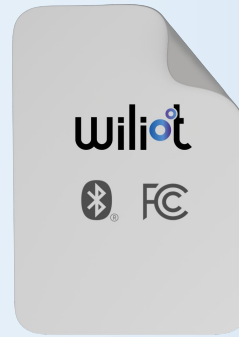


ID-Pixels 3.0

Energy-Harvesting BLE Label



Product Capabilities

Identiv's Bluetooth Low Energy (BLE)-based ID-Pixels 3.0 are designed for mass-market applications such as retail, packaging, pharmaceuticals, and asset tracking. About the size of a postage stamp and available as a self-adhesive label, it transforms physical items into part of the IoT.

The ID-Pixels 3.0 are powered by harvesting energy from nearby BLE and ultra-high frequency (UHF) readers. Each tag acts as a unique digital identifier for the physical item it's attached to and can also sense location and ambient conditions, such as temperature.

Integration with the Wiliot Cloud enables users to track, monitor, and count items - providing unprecedented visibility and insights into their supply chain.

Key Features

- Compatible with **Bluetooth Core 5.x**
- Temperature and location **sensing**
- **Typical read range:** 10 m
- **128-bit AES encryption**, hardware true random generator, privacy-, data confidentiality-, and authentication protection
- Available as **dry inlay** and **self-adhesive label**
- Designed to work with **Wiliot cloud infrastructure**

Frequency

- 2.45 GHz (advertising)
- 2.45 GHz, 915 MHz (harvesting)

Tag Dimensions

- 33 x 60 mm

Chip

- Wiliot Gen3 IC

International Standards

- Bluetooth Core Specification 5.0

Industries

- Retail
- Packaging
- Asset Tracking
- Healthcare & Pharma

Specifications

Format	Dry Inlay	Label
Product Part Number	6001023	6001020
Manufacturing Part Number	I02XXV70270	LA1PADV70270
IC	Wiliot Gen3	Wiliot Gen3
User Memory	N/A	N/A
Antenna Dimension	27.52 mm x 54.45 mm	27.52 mm x 54.45 mm
Tag Dimensions	N/A (label dimensions 33 mm x 60 mm)	33 mm x 60 mm
Standards Compliance	Bluetooth Core Specification Version 5.0	Bluetooth Core Specification Version 5.0
Frequency	2.45 GHz (advertising) 2.45 GHz, 915 MHz (harvesting)	2.45 GHz (advertising) 2.45 GHz, 915 MHz (harvesting)
Face Material	N/A	White PP
Thickness (over IC)	~ 303.5 µm	~ 399 µm
Pitch	38.1 mm	38.1 mm
Web Width	160 mm (2up)	64 mm
Operating Temperature	-40 °C to 85 °C	-20 °C to 80 °C (-4 °F to 176 °F)
Storage conditions	2 years under desiccated condition: 10 °C to 25 °C (50 °F to 77 °F) at ≤ 60% RH	1 year: 20 °C to 25 °C (68 °F to 77 °F) at 50% RH

Contact Information: sales@identiv.com

Care and handling: To minimize static charge and environmental impact, it's crucial to adhere to standard industry practices related to electronics and RFID when handling RFID inlays, as they are sensitive to ESD.

Application: To ensure that this product meets specific requirements, customers/users must thoroughly test it under end-use conditions. Identiv does not claim that the product is suitable for any particular purpose or use. Additionally, Identiv retains the right to modify, supplement, change, or discontinue product offerings at any time without prior notice. While the information presented here is believed to be reliable, Identiv does not guarantee the accuracy or correctness of the data.

Trademarks: The ownership of trademarks and/or trade names mentioned belongs to their respective owner(s). Some trademarks are used only to identify specific products or services.

Warranty: Please refer to Identiv standard terms and conditions: <https://www.identiv.com/terms-and-conditions>

