



ID-TOM® Pro-A831-U9xe UHF Label

IC Speciality

The ID-TOM® Pro-A831-U9xe by Identiv offers a comprehensive solution for all on-metal applications, making it ideal for industrial use on metallic surfaces. This versatile tag can be applied to metal items with either flat or curved surfaces. Exceptionally thin, the product has an overall thickness of just about 1 mm and an antenna thickness of 120µm, which allows for incredible flexibility and adaptability across diverse use cases.

Additionally, the ID-TOM® Pro-A831-U9xe is equipped with 128 bits of Electronic Product Code (EPC) memory, expanding its utility in a wide array of Internet of Things (IoT) applications.

Key Features

- **More resistant against interference** from surrounding materials
- **Excellent** read range
- 128 bit EPC memory
- Can be applied on **convex or concave arched metal surfaces**
- Foam based and **thin** (~1 mm)

Frequency

- UHF ETSI 865-868 MHz

Tag Dimensions

- 113 x 34 mm

Chip

- NXP UCODE U9xe

International Standards

- EPC global V.2.0.1
- ISO 18000-6C

Industries

- Automotive
- Industrial
- Logistics
- Track and tracing

Applications

- Authentication
- Inventory management
- RTLS
- Supply chain management

Specifications

Format	Label
Product Part Number	4001023
Manufacturing Part Number	L15PADUM0300
IC	UCODE U9xe
EPC and User Memory	128 bit & n/a
Antenna Dimension	107.5 x 30 mm
Tag Dimensions	113 x 34 mm
Standards	EPC global V.2.0.1 ISO 18000-6C
Frequency	ETSI 865-868 MHz
Face Material	White PET
Thickness	~ 1320 µm
Pitch	44.4 mm
Web Width	117 mm
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH
Storage Information	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% 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>

