



ID-Sawblade-A866-U9xe

UHF Inlay and Label

IC Speciality

ID-Sawblade-A866-U9xe with the NXP UCODE 9xe IC is the ideal choice for industrial and supply-chain applications, as well as inventory management. It is designed to solve challenges with tagging a variety of difficult-to-tag materials. ID-Sawblade inlays and tags offer an integrated brand identifier, a proven feature for product authentication, in addition to the added safeguard system to protect business data.

ID-Sawblade-A866-U9xe has an improved read and write sensitivity and faster encoding speed compared to NXP UCODE 8. It comes with 128 bits of Electronic Product Code (EPC) memory to support a wider range of IoT use cases.

Key Features

- Effective **global performance** to designated design
- Enhances **long-range readability** and enables **rapid inventory** of densely populated RFID tag clusters
- 128 bit EPC memory
- **Brand identifier** helps enable product authentication verification
- Available as **dry inlay, wet inlay, or label**

Frequency

- UHF 860 MHz to 960 MHz

Antenna Dimensions

- 24 x 94 mm

Chip

- NXP UCODE 9xe

International Standards

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

Industries

- Industrial
- Logistics
- Retail

Applications

- Authentication
- Inventory management
- RTI
- Supply chain management

Specifications

Format	Dry Inlay	Wet Inlay	Label
Product Part Number	2001170	2001171	2001176
Manufacturing Part Number	I00XXXUM0244	I00XADUM0244	L15XADUM0244
IC	NXP UCODE 9xe	NXP UCODE 9xe	NXP UCODE 9xe
EPC & User Memory	128 bit & n/a	128 bit & n/a	128 bit & n/a
Antenna Dimension	24 x 94 mm	24 x 94 mm	24 x 94 mm
Tag Dimensions	24 x 94 mm	27 x 97 mm	27 x 97 mm
ISO/IEC Norm	ISO 18000-6C	ISO 18000-6C	ISO 18000-6C
Frequency	860 MHz to 960 MHz	860 MHz to 960 MHz	860 MHz to 960 MHz
Face Material	-	-	White PET
Thickness	~180 µm	~200 µm	~270 µm
Pitch	31.75 mm	31.75 mm	31.75 mm
Web Width	110 mm	110 mm	110 mm
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH
Storage Information	2 years under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH

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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.

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