



ID-Sawblade-A866-U9

UHF Inlay and Label

IC Speciality

ID-Sawblade-A866-U9 with the NXP UCODE 9 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-U9 has an improved read and write sensitivity and faster encoding speed compared to NXP UCODE 8 and comes with 96 bits of EPC memory and 96-bit Tag Identifier (TID).

Key Features

- Effective **global performance** to designated design
- Enhances **long-range readability** and enables **rapid inventory** of densely populated RFID tag clusters
- 96 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 9

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	2001162	2001163	2001168
Manufacturing Part Number	I00XXXUK0244	I00XADUK0244	L15XADUK0244
IC	NXP UCODE 9	NXP UCODE 9	NXP UCODE 9
EPC & User Memory	96 bit & n/a	96 bit & n/a	96 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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