

ID-Brain-A912-V13

Dual Frequency Inlay and Label



Product Capabilities

ID-Brain-A912 with EM4425V13 is a multifunctional inlay and tag solution designed for item-level tagging, brand protection, supply chain efficiency, and logistics optimization.

It enhances retail operations by enabling consumer engagement, product authentication, fraud prevention, supply chain visibility, efficient logistics, and accurate distribution tracking.

By combining HF and UHF RFID technologies, it enables secure identification, efficient data capture, enhanced user interaction, and reliable protection against counterfeiting.

Key Features

- Dual-frequency capability with UHF RFID and NFC (HF) for seamless integration with consumer devices and dedicated reader infrastructures
- Enhanced consumer engagement with product authentication, streamlined returns, and a consistent omnichannel experience
- Enables distribution channel control to combat black and grey markets while ensuring product integrity across the supply chain
- Shared unique IC serial number
- AES Crypto for NFC web-based authentication
- IC compatible with any other version of the dual-frequency EM4425 IC family
- Available as dry inlay, wet inlay, or label

Frequency

- HF 13.56 MHz
- UHF 860-960 MHz

Tag Dimensions

- 10.7 x 74.2 mm

Chip

- EM4425V13

International Standards

- NFC Forum Type 5 Tag
- ISO/IEC 15693
- ISO/IEC 18000-3
- ISO/IEC 18000-63

Industries

- Industrial
- Logistics
- Pharma and Healthcare
- Retail

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<https://identiv.com/product-finder/>

Specifications

Format	Dry Inlay	Wet Inlay	Label
Product Part Number	6001014	6001015	6001016
Manufacturing Part Number	I00XXxEA0100	I00PADEA0100	L15XADEA0100
IC	EM4425V13	EM4425V13	EM4425V13
User Memory	2048 bit	2048 bit	2048 bit
Antenna Dimension	10.7 x 74.2 mm	10.7 x 74.2 mm	10.7 x 74.2 mm
Tag Dimensions	10.7 x 74.2 mm	13.7 x 77.2 mm	13.7 x 77.2 mm
ISO/IEC Norm	ISO/IEC 15693 ISO/IEC 18000-3 ISO/IEC 18000-63	ISO/IEC 15693 ISO/IEC 18000-3 ISO/IEC 18000-63	ISO/IEC 15693 ISO/IEC 18000-3 ISO/IEC 18000-63
Frequency	HF 13.56 MHz UHF 860-960 MHz	HF 13.56 MHz UHF 860-960 MHz	HF 13.56 MHz UHF 860-960 MHz
Face Material	-	Clear PET	White PET
Thickness	~ 230 µm	~ 310 µm	~ 310 µm
Pitch	16.67 mm	16.67 mm	16.67 mm
Web Width	90.00 mm	90.00 mm	90.00 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

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.

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