



ID-Brain-A912-V13

Dual Frequency Inlay and Label

IC Speciality

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 revolutionizes retail by fostering consumer engagement, ensuring product authenticity, and mitigating fraud, all while enhancing supply chain transparency, streamlining logistics, and optimizing distribution tracking.

Seamlessly integrating HF and UHF technology, it delivers secure, efficient, and immersive experiences while safeguarding against counterfeiting and preserving channel integrity.

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 EM4225 IC** family
- Available as **dry inlay**, **wet inlay**, or **label**

Frequency

- HF 13.56 MHz
- UHF 860-960 MHz

Antenna 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

Applications

- Advanced anti-counterfeiting
- Secure supply-chain traceability
- Secure authentication
- Smart packaging

Specifications

Format	Dry Inlay	Wet Inlay	Label
Product Part Number	6001014	6001015	6001016
Manufacturing Part Number	I00XXEA0100	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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