



# ID-Garment-A887-echoV

## NFC Inlay

## IC Speciality

Identiv's ID-Garment-A887-echoV, a robust solution tailored for garment applications. Powered by the secure em | echo-V (EM4425V16) this advanced technology ensures top-tier security for IoT and NFC uses. These tags effectively utilize the chip's native security mechanism, certified for its resilience against attacks, making them an ideal choice for secure IoT applications. They serve various purposes, including anti-counterfeiting for brand protection, document authentication, secure supply chain traceability, authorized data access, and seamless customer engagement such as loyalty programs.

These washable tags possess a slight flexibility, making them easily adaptable behind woven or similar clothing patches. Elevating secure product authentication to a new standard, the ID-Garment-A511-echoV is compatible with all NFC devices, providing real-time authentication and enhanced privacy features.

## Key Features

- For use in secure IoT applications, including **advanced anti-counterfeiting** for brand protection, **document authentication, secure supply chain traceability**, **authorized data access**, and **trusted customer engagement**
- Unique data authentication with AES crypto for NFC web based authentication
- Due to its robust structure it is durable and even washable
- Available as **wet inlay**

### Frequency

- NFC 13.56 MHz

### Tag Dimensions

- Ø 25 mm

### Chip

- em | echo-V (EM4425V16)

### International Standards

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

### Industries

- Beauty and personal care
- Fashion
- Luxury goods
- Sports and events

### Applications

- Advanced Anti-Counterfeiting
- Asset & Document Tracking
- Secure Authentication
- Smart Packaging

# Specifications

| Format                    | Wet Inlay   |
|---------------------------|---|
| Product Part Number       | 9001112   |
| Manufacturing Part Number | I00PADEF9C23  |
| IC                        | em   echo-V (EM4425V16)   |
| User Memory               | Configurable 2048 bit   |
| Antenna Dimension         | Ø 23 mm   |
| Tag Dimensions            | Ø 25 mm   |
| ISO/IEC Norm              | ISO/IEC 15693/18000-3   |
| Frequency                 | 13.56 MHz   |
| Face Material             | Clear PET   |
| Thickness                 | ~ 590 µm  |
| Pitch                     | 30 mm   |
| Web Width                 | 35 mm   |
| Operating Temperature     | -20°C ~ 70°C (-4°F ~ 158°F), at <60%RH                                    |
| Storage Information       | 1 year under desiccated condition;<br>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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