

# IDT RFID Encoding Bin / Shell



RFID  
Encoding



RF-Isolated  
Chamber



Seamless  
Integration



One Key  
Turn Off

**HD**

High Resolution  
Color Display

The IDT RFID Encoding Bin / Shell is a robust, industrial-grade RFID enclosure designed for fast, accurate, and interference-free scanning and encoding of RFID-tagged items in bulk. Built with a metal shielded structure, it creates a controlled read zone that ensures precise reads, zero cross-reads, and exceptional tag encoding accuracy. Ideal for warehouses, jewellery stores, hospitals, manufacturing units, and government asset rooms, it streamlines inventory workflows while delivering unmatched reliability and real-time visibility.

## CABINET HARDWARE

<b>Dimension</b>	Customizable
<b>Weight</b>	Variable
<b>Structure</b>	Industrial metallic enclosure
<b>Portability</b>	Heavy-duty wheels + optional battery pack
<b>Connectivity</b>	RJ45 Ethernet, Wi-Fi, Bluetooth
<b>Power</b>	Input: 220V AC, PoE (Optional)
<b>Front Opening</b>	Easy tag drop-in tray

## RFID PERFORMANCE

<b>Working Frequency</b>	865 - 868 MHz / 902 - 928 MHz (Global UHF)
<b>Storage Temperature</b>	EPC Class 1 Gen2 (ISO18000-6C)
<b>Inventory Speed</b>	Under 5 seconds per cycle
<b>Capacity</b>	300+ tags per scan
<b>RF Isolation</b>	Metallic enclosed chamber with controlled RF environment

## ENCODING MODULE

1. Auto EPC Generation (SGTIN / Custom)
2. Password Write, Lock & Kill Functions
3. Error-Proof Verification Algorithm
4. Batch Encoding Mode

## SOFTWARE FEATURES

1. EPC Encoding Dashboard
2. EPC Encoding Dashboard
3. Real-time Log Export (CSV/Excel)
4. API Integration with ERP / POS / WMS

## ADD-ONS

1. Customised with 2 or 4 antennas
2. Build in touch display(Optional)
3. Data Analysis

## ORDER INFORMATION

Part Number IDT.UHF.ES.001

## APPLICATION AREA



Retail

*\*Note: All specifications are subject to change without prior notice to ensure continuous improvement and technological upgrades.*



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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