

UHF RFID Inlay/Label

IDT 9654



The IDT RFID 9654 Label/Inlay powered by the advanced Higgs-3 core, offers exceptional performance and a comprehensive set of features. With a 96 bits EPC memory bank, this tag provides efficient tracking, authentication, and serialization capabilities. Its 512 bits of user memory allow for distributed data applications, while password-protected read and write support ensure data security. The IDT 9654 Label/Inlay tag finds applications in various industries, including corrugate cases, pallet placards, apparel hang tags, baggage tags, shipping labels, asset management, and file folder labels. It is a versatile and reliable solution for enhancing tracking, inventory management, and data organization.

PHYSICAL PARAMETERS

Label Dimension	96.5mm x 23.2mm
Antenna Dimension	93mm x 19mm
Adhesive	General Purpose Permanent
Interface Material	Paper, TT Printable White Film Overlay
Packaging	Premium Plastic Packing
Availability	Dry/wet inlay

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-25°C to +50°C
Storage Temperature	-25°C to +50°C
Chemical Resistance	Resistant To Chemical Solvent and Moisture
Write Cycles	100,000
Shelf Life	2 years

RFID PERFORMANCE

Working Frequency	865 – 868 MHz (ETSI) / 902 – 928 MHz (FCC)
Standard Protocol	"ISO/IEC 18000-6C EPCglobal Class 1 Gen 2"
Chip Type	Alien Higgs-3
EPC Memory	96 bits
TID Memory	64 bits
Read Range Fixed Reader	Up to 6m (Reader & Chip Dependent)
Read Range Handheld Reader	Up to 4m (Reader & Chip Dependent)

PERSONALIZATION

Pre-Encoding	Customer Specific Encoding of EPC
Customized Printed	Customer Specific Layout Including Logo, Text, Numbers, Barcode, etc.

ORDER INFORMATION

Part No.	IDT.RF.T.9654I.BL (Blank Inlay) IDT.RF.T.9654L.BL (Blank Label)
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APPLICATION AREA



Retail



Supply Chain



Warehouse



Manufacturing



Healthcare



Logistics



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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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