

DiSa Serialization

Complete Item-Level Visibility

Inventory accuracy

Synchronizes physical inventory with item-level transaction data at POS:

Phantom stock: **exposed**

Store-level inventory: **tracked**

FIFO and spoilage: **managed**

Targeted recalls and freshness

Blocks only the affected units at POS without impacting the entire UPC stock:

Expired item at POS: **denied**

Recalled item at POS: **denied**

Legitimate item: **approved**

Return fraud reduction

Validates every return against its original, unique purchase history:

Never purchased: **denied**

Past the return window: **denied**

Legitimate return: **approved**

RFID tracks the journey. DiSa validates at the point of sale.

1 Manufacturing

Unique serial number linked to lot/batch dates and shipment data



2 Supply chain

Automated RFID scanning at DCs and warehouses



3 Store shelf

No new hardware, training or stocking changes



4 Point of sale

Single scan captures each individual item's transaction data



5 Analytics

Item-level insights via real-time dashboards

GS1 Compliant | Complements RFID | Standard UPC Single Scan | 50-300 ms Validation