RFID Checkout Fraud Detector

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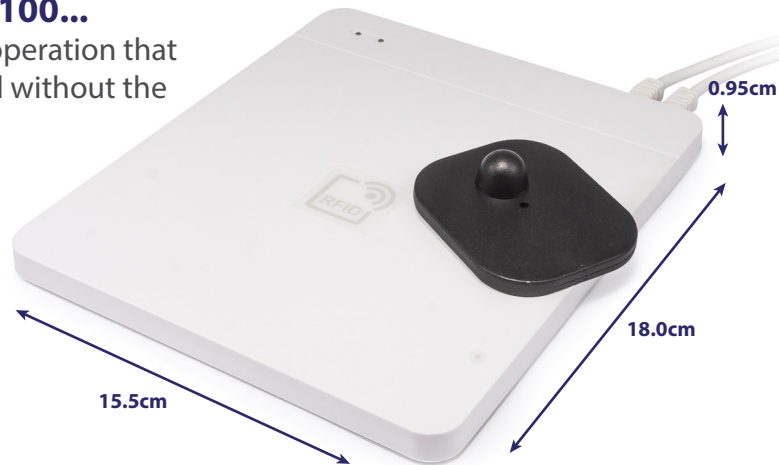## Reduce retail fraud at point of sale with TS100...

...a desktop UHF RFID device with various modes of operation that can help retail checkout operations and reduce fraud without the need to change existing POS systems.

Verify scanned barcode with UHF RFID

Compares RFID security tag with barcode to detect barcode / ticket switching at the point of sale.

Upgrade from barcode to RFID

Read UHF RFID tags and output UHF EPC barcode data compatible with current POS systems.

Verify
Check barcode vs RFID data.
Barcode output as usual if tags match.
Barcode "error" output if no match.

Read
Read UHF RFID tag and output as EPC barcode data to POS system.
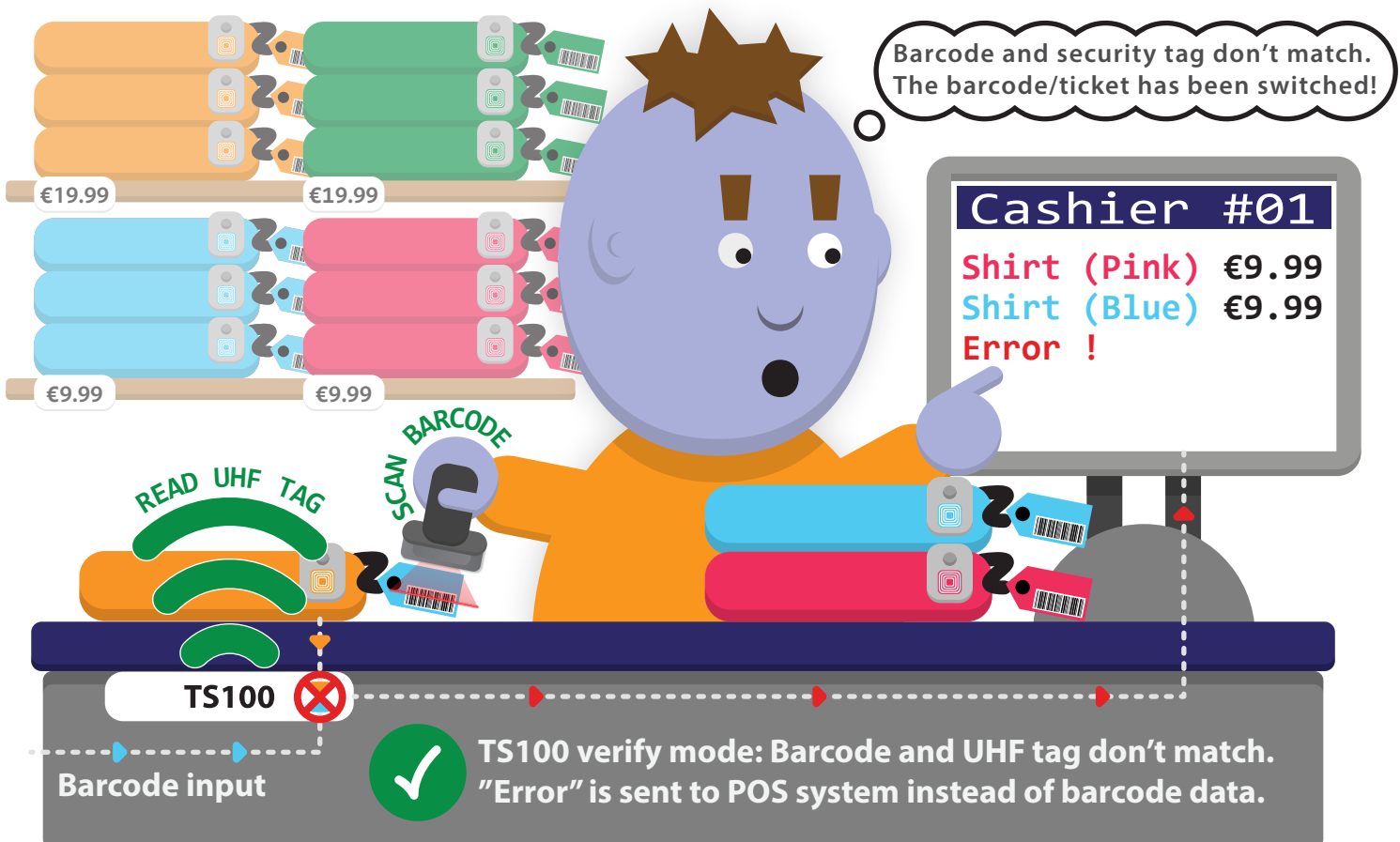
Encode
Write product code / EPC barcode data to UHF RFID tag.

0.95cm

18.0cm

15.5cm

Small and discrete
TS100 can be mounted on desktop, flush or under counter.
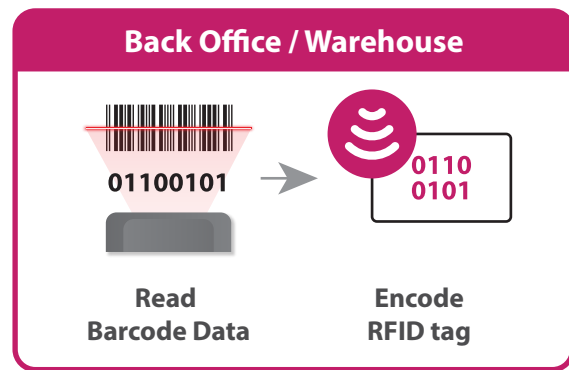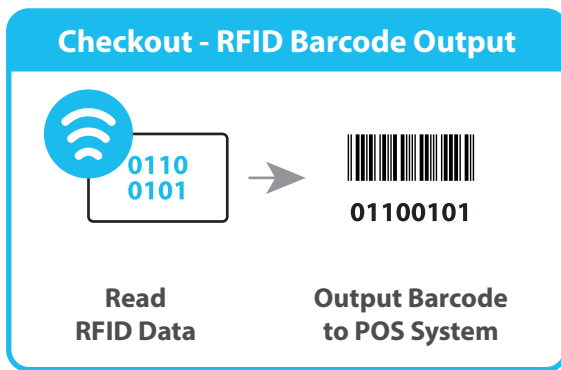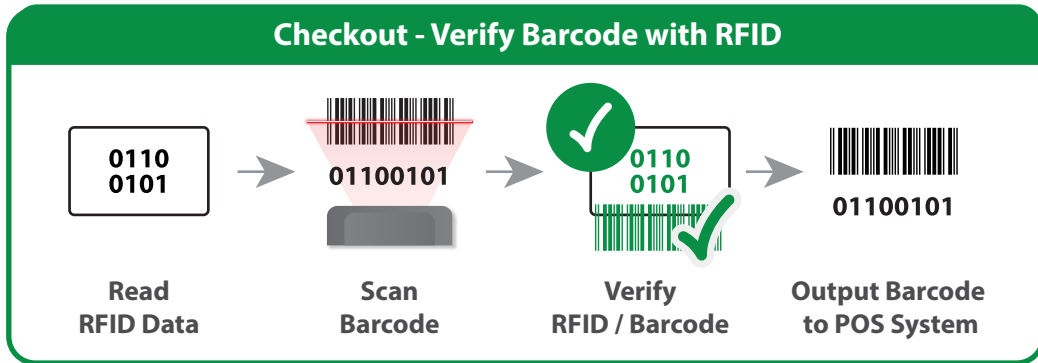
Applications

- Retail
- Loss Prevention
- Smart Shelving
- Product Tracking
- Item Verification
- Document Tracking
- RFID programming

Detection

- Shoplifting
- Ticket/Price Switching
- Barcode Switching
- Employee Theft

€19.99   €19.99

€9.99   €9.99

Barcode and security tag don't match. The barcode/ticket has been switched!

```
Cashier #01
Shirt (Pink) €9.99
Shirt (Blue) €9.99
Error !
```

READ UHF TAG

SCAN BARCODE

TS100

Barcode input

TS100 verify mode: Barcode and UHF tag don't match.
"Error" is sent to POS system instead of barcode data.

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Note: Specification is subject to change without notice.

Operating Mode Examples

Checkout - Verify Barcode with RFID

Read RFID Data	Scan Barcode	Verify RFID / Barcode	Output Barcode to POS System

Checkout - RFID Barcode Output

Read RFID Data	Output Barcode to POS System

Back Office / Warehouse

Read Barcode Data	Encode RFID tag

Advanced Features

Custom Read
Customised output (custom option)
e.g. Custom EPC prefix output
inactive tags output a specified prefix

Deactivate
Replace tag EPC prefix with
specified deactivate prefix

Reactivate
Replace tag EPC prefix with
specified activate prefix

Tag Analyis
Get all information on tag
e.g. tag memory data, manufacturer, model,
memory capacity etc.

Ordering Information:

TS100A-00W   with barcode scanner port
TS100-00W   without barcode scanner port

Specification

RF power	11dBm - 20dBm (configurable in 10 levels)
Operating frequency	860-960MHz multi-regional support
Air protocol interface	EPC Global Class 1 Gen 2 / ISO18000-6C
Power consumption	Less than 400mA (depending on RF power)
Communication interface	**Wired:** USB HID Keyboard Emulation **Wireless:** 2.4GHz Wifi 802.11 b/g/n BLE (optional)
Reading range	Up to 30cm
Frequency range (MHz)	FCC (NA, SA) : 902~928 ETSI (EU) : 865.6~867.6 Japan : 916.7~923.5 Brazil/Peru : 915~928 India : 865~867 Indonesia : 923 ~ 925 Korea : 917~923.5 Australia : 918~926 New Zealand : 921.5~928
Dimensions	15.5 x 18.0 x 0.95m
Weight	Approx 500g without accessory
Housing material	ABS plastic / Metal
Temperature	Operating : -10˚C to +60˚C Storage : -15˚C to +65˚C

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