

## RFID Reader/Writer for retail application



plug-and-play, easy to use

Tag analysis mode

password protection

desktop reader and writer

Read multiple items within the reading zone at the same time

TS100A is an elegant, fully integrated all-in-one desktop reader and writer.

Thanks to its lower profile (9.5mm) and compact size, TS100A is the perfect choice for retail application. There are three installation methods to fit all type of environments-

**1. Flush mounting 2. Under table mounting 3. Desktop**

As a reader, it provides an accurate reading zone and only reads the tags that are placed above its surface, which avoids reading unwanted RFID tags. It can read multiple items within the reading zone at the same time, making it ideal for checkout, small item inventory and many other applications.

TS100A has multiple application modes in a single device which can be easily selected using one configure card. It can function as a reader, encoder, EAS tag verifier, etc. The feature makes TS100A the most flexible compact desktop UHF RFID Device in the market to date.

It also works as a standalone writer to convert various type barcode data to RFID tag with serial number automatically. It supports all retail barcodes which includes EAN8, EAN13, UPC-A, UPC-E, EAN14, CODE 128 and data-bar. Seamless upgrade your present running EAS system to EAS plus RFID system through

TS100A hardware keyboard emulation which allows a very easy and fast integration with POS applications, with affordable cost and without having to modify such software applications. It's plug-and-play, easy to use. No change is required for existing operation procedure. There is password protection to secure all the transactions.

### Applications

- Retail
- Library management system
- Verification of tagged items
- Industry
- Document tracking
- RFID programming

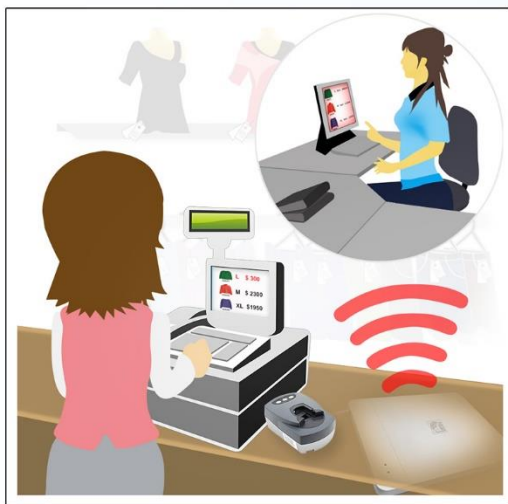
### Features

- Loss prevention
- Multi-regional support
- Low profile
- Well-defined antenna design
- Plug-and-play
- Barcode data convert to RFID
- ECO power saving
- Back up encoding history





**Cashier Counter Site**  
( business hours + off office hours )



**Encoding Workstation**



## Specifications

### Electrical

|                         |   |
|-------------------------|---|
| RF power                | Programmable in 10 levels, from 11dBm to 20dBm  |
| Operating frequency     | 860-960Mhz Multi-regional Support   |
| Air protocol interface  | EPCGlobal Class 1 Gen 2 / ISO18000-6C   |
| Power consumption       | less than 400mA depends on RF power setting   |
| Communication interface | Wire - USB HID keyboard emulation,<br>Wireless - 1) 2.4GHz Wifi, 802.11 b/g/n<br>2) BLE (Optional)  |
| LED Indicators          | Supported   |
| Reading distance        | 1) Near field antenna – upto 30cm (standard)<br>2) Far field antenna – upto 2 meter (Optional)  |
| Frequency range         | FCC (NA, SA): 902~928Mhz<br>ETSI (EU): 865.6~867.6Mhz<br>Japan: 916.7~923.5Mhz<br>Brazil/Peru: 915~928Mhz<br>India: 865~867Mhz<br>Indonesia: 923~925Mhz<br>Korea: 917~923.5Mhz<br>Australia: 918~926Mhz<br>New Zeland: 921.5~928Mhz |

### Mechanical

|                  |                               |
|------------------|-------------------------------|
| Dimension        | 155*180*9.5mm                 |
| Weight           | Approx 500g without accessory |
| Housing material | ABS plastic / Metal           |

### Environmental

|                       |                |
|-----------------------|----------------|
| Operating temperature | -10°C to +60°C |
| Storage temperature   | -15°C to +65°C |

### Order information:

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

\*Specification is subject to change without notice.