

UHF RFID ENCODING STATION



NEXT-GENERATION RFID

for a **SMARTER SUPPLY CHAIN**



TS100A is a versatile UHF RFID Desktop Reader and Encoder with a fine-tuned antenna providing an accurate reading area that can scan multiple RFID Tags and minimize misreads. The ultra-thin profile allows a flexible hardware installation using *Flush Mounting*, *Under-Table Mounting*, or on a *Desktop*. It operates in two modes, connected (w/ Computer) and stand-alone mode (plug & play).

Plug & Play

Keyboard Emulation



The TS100A easily inputs the RFID Tag data to your Software Sytem's User Interface same as using a barcode scanner. This lowers the RFID implementation costs by avoiding additional customizations on your system's software. The Keyboard Emulation features a multi-language support so you can input special characters.

RFID integration with Barcode



Easily encode your Barcode to the RFID Tag by simply connecting your barcode scanner to the TS100A's USB Port. It supports various 1D and 2D barcodes.

Wireless Connection



The TS100 Series has a built-in WiFi to enhance its stand-alone feature. It can wirelessly send RFID data to your Application Software easily. An optional Bluetooth (BLE) is available.

Password Protection



Secure your RFID system by adding password protection to your RFID Tags to prevent tampering of the data in the RFID Tags.



The aesthetic design of the TS100 Series offers an ultra-low profile UHF RFID Desktop Reader suitable for various applications via its three (3) installation methods:

1. Flush Mounting
2. Under-Table Mounting
3. Desktop

Key Features

- Barcode to RFID Conversion
- USB HID Keyboard Emulation
- Loss Prevention
- Password Protection
- Encoding History Backup
- Multi-Region Support
- Accurate Read Area
- Plug & Play
- ECO Power Saving

Applications

- Production
- Warehouse
- Logistics
- Distribution Center
- Retail Stores
- Others

Electrical Specifications

RF Power	11dBm to 20dBm (Programmable 10 levels)
Operating Frequency	860 - 960 Mhz (Multi-Region Support)
Air Interface Protocol	EPCGlobal Class 1 Gen2 / ISO18000-6C
Power Consumption	< 400mA (Depending on RF Power)
Communication Interface	Wired - USB HID Keyboard Emulation Wireless - 1) 2.4Ghz WiFi 802.11 b/g/n 2) BLE (Optional)
LED Indicators	Supported
Read Range	Up to 30cm

Mechanical Specifications

Dimension	155 x 180 x 9.5 (mm)
Weight	Approx. 500g (w/o accessories)
Housing Material	ABS Plastic / Metal

Environmental Specifications

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

**Specifications are subject to change without prior notice.*

Contact Information:

Tel: +886-2-26954214
Fax: +886-2-26954213

Email: promag@gigatms.com.tw
promag@ms24.hinet.net