

MSR 210U SERIES

Magnetic Stripe Card Reader

USB Interface

Thank you for purchasing the MSR210U series products.

The MSR210U USB Magnetic Card Reader series is ideal for retail systems, time keeping systems, security systems and other card reader related systems. The MSR210U series are designed to offer the user a card reader solution that will complement many applications.

Triple track of MSR210U is uniquely designed to read both credit cards and Driver Licenses (AAMVA and California standard).

FEATURES

- Friendly setting.
- No external power supply required.
- No third party device driver is required.
- Single, dual, or triple track versions allow to reading ISO, AAMVA and DMV cards.
- LED and Buzzer indicators indicate the status of reader.
- Programmable data output.
- Firmware upgradeable

CONFIGURATION

- MSR210U-12 Dual track 1&2
- MSR210U-23 Dual track 2&3
- MSR210U-33 Triple track 1&2&3

Note: Optional configuration is available.

AGENCY APPROVAL

- Specifications for subpart B of part 15 of FCC rules for a class A computing device.
- Specifications for CE mark class A.
- BSMI (Bureau of Standards, Metrology and Inspection, Taiwan)

FEDERAL COMMUNICATIONS COMMISSION

(CLASS A of FCC NOTE)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any change or modifications to the equipment not expressly approve by the party responsible for compliance could void your authority to operate such equipment.

BSMI 甲類 Class A 警語

警告使用者：

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

WARRANTY

This product is served under one-year warranty to the original purchaser. Within the warranty period, merchandise found to defective will be repaired or replaced. This warranty applies to the products only under the normal use of the original purchaser, and in no circumstances covers incidental or consequential damages though consumers' misuse or modification of the products.

SETUP

1. Attach the device into a USB port on the host.
2. Insert the CD of operation system that your PC is using for installing the driver of HID keyboard device.
3. Follow the instruction in the dialog box to install the driver correctly.
4. If everything has accomplished, the LED will turn green indicating that the device is ready for use.

Note:

The process of installing driver will be unnecessary only if the device is attached into other USB port.

SPECIFICATIONS

Recording Method	Two-frequency coherent phase (F2F), compatible with ISO 7811 and AAMVA.
Swipe Speed	5 to 55 inch/sec (worst case with +/- 15% jitter card)
Power Requirements	5VDC+/- 10%
Power consumption	35mA Max. in normal condition
Operating Temp	-10°C to +55°C, storage temp: -30°C to +70°C
Operating Humidity	10% to 90% relative humidity
Magnetic Head Life	500K swipes minimum, 1M optional
Dimensions	100 mm L x 34 mm W x 28 mm H
Weight	120g
Connector	USB series "A" plugs

OUTPUT DATA FORMAT

Preamble	Card Data			Postamble
	TK1 Prefix	TK1 Data	TK1 Suffix	
	TK2 Prefix	TK2 Data	TK2 Suffix	
	TK3 Prefix	TK3 Data	TK3 Suffix	

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