MSR120 Encoder

The Right Tool

Unitech's USB magnetic card readers provide a simple and reliable magnetic stripe reading solution for a wide variety of applications. Our intelligent readers are the right tool for such uses as point of sale, access control, and self-service applications. Known for their reliability, they are easy to install and use.

Versatile

The MSR120 is avaliable in single, dual, and triple track configurations for reading ISO cards and driver's licenses. Readers can be attached to most computer keyboards or to any flat surface.

Simple to Use

Cards can be swiped and read in both directions. An LED provides feedback to the user indicating ready to read or read error.

Features:

- Low Power Consumption

- USB Interface

- Bi-Directional Read Capability

- Reading Low or High Coercive Force of Magnetic Stripe (300~4000 Oe)

- Conforms to ISO 7810, 7811, JIS and AAMVA (Driver Licenses) Standards

- Single, Dual, and Triple Track Versions Available

- Compact and Lightweight Enclosure

- Can be Mounted on a Keyboard or a Flat Surface

- Provides Feedback by LED and Buzzer

- CE/FCC Class A, UL, cUL certified

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Data Collection Within Reach

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MSR120 Specifications

Electrical

Operating voltage: +5VDC +/- 10%

Operating Current: 110mA Max.

Power Supply: From USB Port

Communication: USB 1.1

Mechanical

Body Material: ABS 94V-0

Length: 4" (100 mm)

Width: 1.35" (34 mm)

Height: 1.1" (28 mm)

Weight: 210 grams

Swipe: Manual, bi-directional

Environmental

Operation: -10° to 50° C, 10 to 85% humidity

Rating: FCC ClassA, CE classA, UL, cUL

Performance

Coercive force: Read: 300-4000 Oe Mag. card

Card thickness: 0.78-1.2mm

Read speed:	STD card 5~55ips	Jitter +/- 15% 5~50ips	Amp. 60% 5~50ips

Error rate: Read: < 0.5%

Head life: Min. 300K swipes for read head (500K & 1000K optional)

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