



This smart card reader is ideal for varieties of applications such as reading driver's licenses, credit cards, health card or any other smart cards.

This plug and play 32 bit ARM7 Flash programmable reader boasts both Magnetic and RFID reader functions. It features selectable magnetic triple-track reading and bi-directional swiping. This reader is compliant with ABA, ANSI, ISO, AAMVA and CADMV standards and is compatible with EM, TK and AT cards. In addition, with the built in Flash upgrade option, the reader's hardware will always be updated.



Key Features

- ✓ Features both Magnetic and RFID reader functions
- ✓ Compatible with EM, TK, AT cards
- ✓ High speed 32 bit processor
- ✓ Specifically Designed to Meet PCI DSS Requirement
- ✓ Compliant with ABA, ANSI, ISO, AAMVA and CADMV standards
- ✓ Bi-directional swiping
- ✓ Programmable sound indicator
- ✓ Multitude of flash upgradable firmware includes USB-KB, USB-RS (serial) USB-HID and USB-Custom
- ✓ Auto caps lock detection, selectable upper or lower case option
- ✓ Built-in boot load function and built-in data encryption option
- ✓ System development kit is available with DLL and sample source code



Application

- ✓ E-Passport, E-Ticket, E-identification
- ✓ Credit card, loyalty program, store value
- ✓ Online shopping, banking, gaming
- ✓ Network, physical access control

Technical Specifications

Model	211021
Frequency	125 kHz
Built-in Magnetic Card Decoder	Yes
Supported Card types (Module Specific)	EM, TI, AT
Communications	USB port
Power	Via USB port
Current	45 mA to 65 mA
Connectors	USB Type A
Cable Length	6 ft. (180 cm) (Default) also available 2 ft. (60 cm) and 15 ft. (460 cm)
Dimensions	100 mm x 32 mm x 32 mm 100 mm x 48 mm x 35 mm (contain RFID reader)
Total Weight	125 g, 145 g (contain RFID reader)
Operating Temperature	- 20 °C to 55 °C
Humidity	10% to 90% relative
On-Screen Set-up Menu	Yes
Factory Default Card	Yes (One step setup card) Customizable
Flash Memory Upgrade	Yes
Selectable Tracks	Yes (Separate track selection for both ISO and AAMVA)
Selectable Available Tracks	1, 2, 3
Track Swipe Rates	2: 125 ips at 75 bpi 1, 3: 60 ips at 210 bpi
Head Life	Over 1,000,000 passes
Programmable Sound On/Off	Yes
Programmable Carriage Return	Yes
Programmable Inter character Delay	Yes
Programmable SS/ES Selectable Character	Yes
Parity and LRC Data Checking	Built-in, audible and LED good read and error indicator
Standards	ABA, ANSI, ISO, AAMVA, CADMV
Certifications	CE, FCC, UL, RoHS
Operating Systems	Windows 7, Win 2008, Vista, Win 2003, Win 2000, Windows XP, Win CE, Unix



GAO RFID Inc.

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Celebrating Over 15 Year of Innovation

Product Overview

Magnetic Stripe Card and 125 kHz RFID Reader Combo

(211021)



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