

MT200

MART LOCK

智能锁

Overview

产品概述

随着社会生活的不断进步,国内汽车保有量不断增大,对汽油的需求也不断增大,导致加油站加油量剧增,在利益的驱使下出现了一些加油站工作人员在加油机上动手脚进行偷漏油牟利的现象。通过该产品,可以有记录的控制加油机箱的开关、配合定时巡检,从而避免加油机被私自更改,做到有偷油事件发生后有据可查。

该产品可保证加油机柜机械锁受控的开启和闭合,并兼顾市场现有加油机的尺寸。智能锁和配套的系统控制、记录每一次机柜门的开启和闭合,避免当前加油机柜非受控的开启。

Features

产品特点

- 通讯加密认证
- 加密受控开锁与关锁
- 锁状态检测
- 挡板完整性检测
- LED程序状态指示
- 接口选择:RS232和USB转串口的通讯方式
- 防水防尘(防水等级IP54)
- 接口插座采用防水设计,可靠性高
- 支持在线升级
- 挡板采用电机控制及光电位置检测
- ESAM模块完成设备之间的认证及通讯的加解密
- 挡板可更换
- PCB符合ROHS标准

With the continuous progress of social life, the number of cars keeps increasing, and the demand for gasoline has also risen dramatically. As a result, fuel stations have seen an enormous increase in fuel consumption. Under the drive of interests, some fuel station workers have started to work on fuel dispensers to steal the fuel. This product can record and control the opening and closing of the refueling chassis, with the regular inspection, it is possible to avoid unauthorized changes to the refueling machine. Even when an oil-stealing event occurred, the operation it is recorded and documented.

The product can ensure that the opening and closing of the mechanical lock of the fueling cabinet is under inspection. It is designed with consideration of the sizes of the existing tanker in the market.

- Communication encryption authentication
- Unlock and lock controlled by encrypted communication
- Lock status detection
- Baffle status detection
- LED indication for program status
- Interface: communication via RS-232 or USB converted to serial port
- Waterproof and dustproof(IP54)
- The interface socket adopts waterproof design with high reliability
- Support online update
- The baffle adopts motor control and photoelectric position detection
- ESAM module completes authentication between devices, and communication encryption and decryption.
- Replaceable baffle
- PCB compliant with ROHS standards



MT200

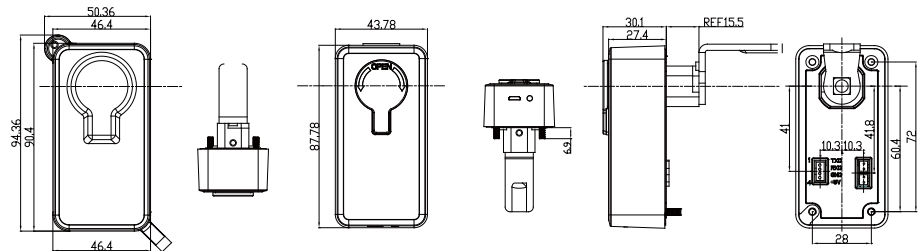
Applications 应用

加油机 / 加气机 / 自助智能终端机 / 自助售票机 / 自动售货机 / 电动汽车充电桩

Fuel Dispensers / CNG Dispensers / Smart Self-Service Terminals / Ticketing Machines / Vending Machines / Electric Vehicle Charging Stations

Specifications 性能指标

功能类别 Functional category	子功能 Sub function	性能要求 Performance requirements
电源要求1 Power Supply Requirements 1	USB供电 USB Power Supply	DC5V±5% 500mA
电源要求2 Power Supply Requirements 2	内部串口供电 Internal Serial Port Power Supply	DC5V±5% 500mA
LED		程序运行指示 Program Operation Indications
挡板 Baffle	RFID标签 RFID Tag	符合ISO14443 ISO14443 Compliant
通讯要求 Communication Requirements	波特率 Baud Rate	波特率115200bps Baud Rate115200bps
开关锁时间 Switch Lock Time	挡板滑动时间 Baffle Sliding Time	≤6s (25°C下约3.2秒, -40°C下约6秒) ≤6s (About 3.2 seconds at 25°C, About 6 seconds at -40°C)
寿命要求 Lifetime Expectancy	挡板开关机构 Baffle Switch mechanism	5000次 More than 5000 times
	USB插拔寿命 USB Lifespan	2000次 More than 2000 times
温度适应性 Temperature adaptability	低温适应性 Low Temperature Adaptability	存储温度: -45°C 工作温度: -40°C Storage Temperature: -45°C Operating Temperature: -40°C
	高温适应性 High Temperature Adaptability	存储温度: +75°C 工作温度: +65°C Storage Temperature: +75°C Operating Temperature: +65°C
湿度适应性 Humidity adaptability		存储湿度: 0—95% (无凝结) 工作湿度: 0—90% (无凝结) Storage humidity: 0—95% (non-condensing) Operation humidity: 0—90% (non-condensing)
三防 Protection	防尘防水 Dustproof and Waterproof	IP54
电磁兼容 Electromagnetic compatibility	静电抗干扰 Electrostatic anti-interference	接触式放电 8K Contact discharge 8K 空气式放电 10K Air discharge 10K
	脉冲群抗干扰 Pulse group anti-interference	供电电源端口, 保护接地 2kV/5kHz Power Supply Port, Protective Grounding 2kV/5kHz
		I/O信号、数据和控制端口 1kV/5kHz I/O signals, data, and control ports. 1KV / 5KHZ
重量 Weight		约200克 Approx 200g



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ZT595

UNATTENDED PAYMENT TERMINAL

无人值守支付终端

Overview

产品概述

ZT595包含密码键盘、LCD显示屏及多功能安全电动读卡器。这些安全模块可用于加油机、加气机、自助售卖机、售票机、停车收费表、商店自助终端及公共交通工具（包括公交车与火车）等情景下的支付交易。

ZT595系列模块通过最高等级的PCI PTS、EMV Level 1及 Level 2认证，提供线上与线下密码输入许可，以及密码键盘与安全电动读卡器之间的数据加密。

The ZT595 includes PIN Pad, LCD display and hybrid secure motorized card reader. These secure modules are designed to enable payment transactions in unattended and self-service environments such as fuel dispensers, CNG dispensers, vending machines, ticketing machines, on-street parking meters and store kiosks, as well as public transportation environments, including buses and rail lines etc.

The ZT595 series modules offer the highest degree of PCI PTS and EMV Level 1 and Level 2 Type Approvals for on-line and off-line PIN entry, as well as data encryption between the PIN Pad and secure motorized card reader.



Features

产品特点

High Stability and Reliability 高稳定性和可靠性

- 卡保留
- 具有安全档门
- 灵活、安全的平台
- COM, USB, 网络, 音频, I/O
- PCI PTS 3.x认证, 支持SRED
- 断电时紧急退卡
- 模块间的数据认证
- Card retention
- With full security shutter
- Flexible and secure platform
- COM, USB, internet, audio, I/O
- PCI PTS 3.x certified, supports SRED
- Emergency power-failure card release
- Data encryption between modules

High Ruggedized & Easy Integration 耐用性高、便于集成

- 即插即用
- 标准USB接口
- Plug-and-play
- Standard USB connection

Exceptional User Experience 优质的用户体验

- 电动插卡
- 宽插卡口易于用户接受
- Motorized card insertion
- Wide card slot for easy user acceptance



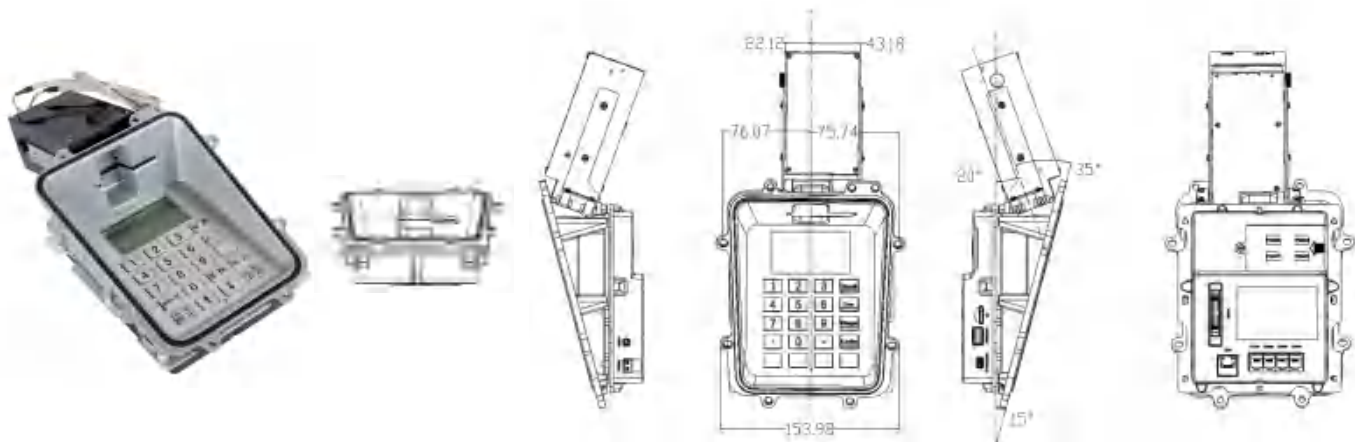
ZT595

Applications 应用

自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机
Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications 性能指标

读卡器类型 / Card Reader Type			电动 / Motorized
支持的卡类型 / Card Type			磁卡 / Magnetic Cards 接触式IC卡 / Contact IC Cards 非接触式卡 / Contactless IC Cards
磁卡 Magnetic Card	ISO7810 /7811	1轨/Track 1	读 / R
		2轨/Track 2	读 / R
		3轨/Track 3	读 / R
IC卡 / IC Card	ISO 7816		读, 写 / R,W
	SAM		读, 写 / R,W
	EMV		Level 1 & L2认证 / Certified
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 TYPE A / B & MIFARE		读, 写 / R, W
液晶显示器 / LCD			126*64 LCD, 白底 / White Background, 黑字 / Black Words
密码键盘 / Pinpad			内置金属密码键盘(可选加密或不加密)、20个按键、防尘防水 Built-in Metal Pinpad(Encrypted & Unencrypted Options), 20 Keys, Dust & Water Proof
显示器 / Display			英语和中文 / English and Chinese
寿命 /Lifetime			>500000次循环 / Cycles
接口 / Interface			读卡器 / Card Reader: RS232 密码键盘: RS232用于加密、FTP用于非加密 Pinpad: RS232 for Encrypted, FTP for Unencrypted
电源 / Power Supply			DC12V, 2A
安工作温度 / Working Temperature			-10℃-+55℃
尺寸 / Dimensions(mm)			280*180*80
重量 / Weight			约 / Approx 1500g
备注 / Remarks			带档门 / With Shutter



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MT188

MANUAL CARD READERS

手动读卡器



Overview

产品概述

铭特手动全插入式读卡器不仅支持读ISO7810/7811磁卡, 而且支持读写ISO7816智能IC卡、ISO14443A类及B类非接触式卡。它们在多种领域中得到广泛的应用, 包括自助终端机、加油机、加气机、停车场系统、自助售票机和自动售货机。

MINGTE's manual full insertion card readers can read ISO7810/7811 magnetic strip card, read & write ISO7816 smart card and ISO14443 Type A & B contactless IC cards. They excel in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

Features

产品特点

- 结构紧凑、轻便、安全性高、稳定性好
- 支持符合ISO7810、ISO7811标准的磁卡的操作
- 支持符合ISO7816标准的接触式IC卡的操作
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作(可选)
- 支持符合ISO7816标准的PSAM卡的操作
- 一个SIM卡槽(PSAM)
- 具有防堵塞、防灰尘功能、环境适应性好
- 可根据用户需求定制各种接口
- 配多型号插卡口
- EMV Level 1和PBOC认证
- Compact & light, high reliability & durability
- Support magnetic card (ISO7810 & ISO7811)
- Support contact IC card (ISO7816)
- Support contactless IC card (ISO14443 TYPE A & B)-optional
- Support PSAM card (ISO7816)
- Supplied with 1 SIM card slot (PSAM)
- Clog-proof, dust-proof, environmental adaptability
- Various interface (customized)
- With multi bezel (optional)
- EMV Level 1 and PBOC approved



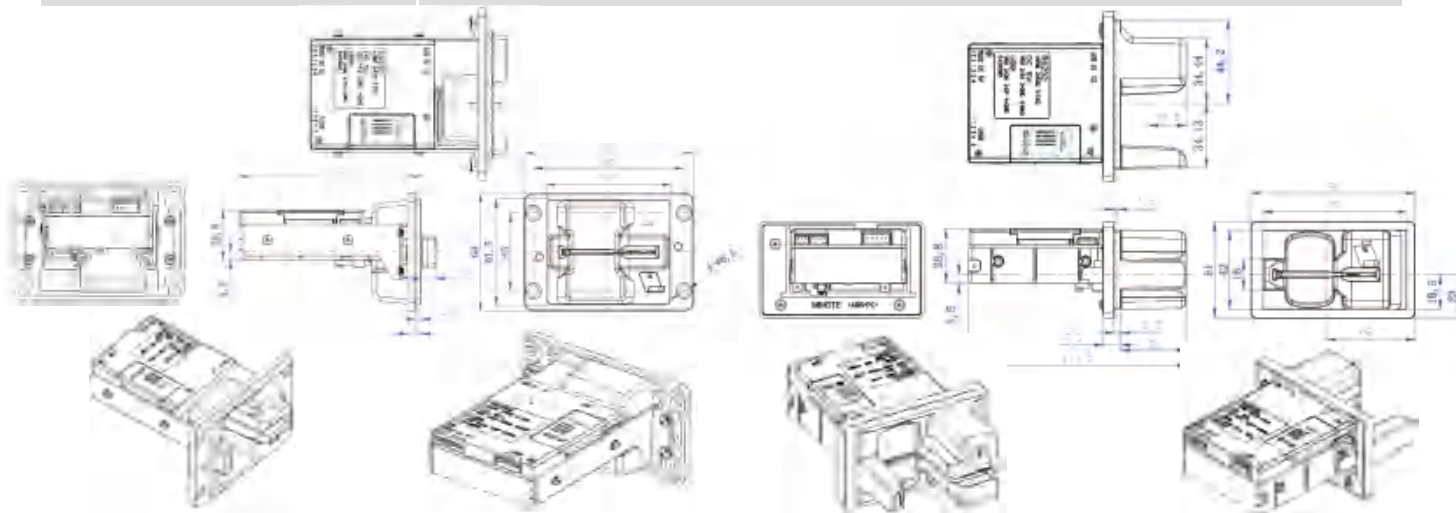
Applications 应用

自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机

Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications 性能指标

支持卡类型 / Card Type		磁卡 / Magnetic Cards	接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC cards
磁卡 Magnetic Card	ISO7810 /7811	1轨/Track 1	读 / R	
		2轨/Track 2	读 / R	读 / R
		3轨/Track 3		读 / R
IC卡 IC Card	ISO7816	读、写 / R, W		
	PSAM/ESAM			
	EMV			
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 TYPE A &B & MIFARE	读、写 / R, W		
读卡方向 / Card Reading Direction		插卡、拔卡可选读卡 / Options for Reading by Card Inserting or Ejection		
插卡方向 / Card Inserting Direction		磁条靠右侧、两面均可读卡 / Magnetic Strip on Right Side, Dual-side Reading		
高抗卡、低抗卡读卡 Hi-co & Low-co Card Reading		支持 / Support		
使用寿命 / Lifetime		>50万次 / >500000 Cycles		
接口 / Interface		RS-232		
工作电压 / Power Supply		DC5V ± 5%		
工作电流 / Current		静态电流 / Static Current: ≤50mA(5V) 最大电流 / Max Current: ≤150mA(5V)		
工作温度 / Working Temperature		-20~+55℃		
重量 / Weight		配塑料卡嘴 / With Plastic Bezel: 约 / Approx 137g 配金属卡嘴 / With Metal Bezel: 约 / Approx 353g		
备注 / Remark		带档门及多种卡嘴(可选) / With Shutter & Multi Bezel(Optional)		



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MT318-4.0

MOTORIZED CARD READERS

电动读卡器



Overview

产品概述

铭特电动读卡器具备节省空间、高稳定性、高安全性、防钓鱼及掉电保护等特征。该系列读卡器不仅支持读ISO7810/7811磁卡,而且支持读写ISO7816智能IC卡、ISO14443A类及B类非接触式卡。它们在多种领域中得到广泛的应用,包括自助终端机、加油机、加气机、停车场系统、自助售票机和自动售货机。

MINGTE's compact motorized card readers are developed with space saving, high reliability & security, anti-skimming and power failure protection features. They can read ISO7810/7811 magnetic strip card, read & write ISO7816 smart card and ISO14443 Type A & B Contactless IC Card. They excel in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

Features

产品特点

- 结构紧凑、轻便、安全性高、稳定性好、先进的机械结构
- 支持符合ISO7810、ISO7811标准的磁卡的操作
- 支持符合ISO7816标准的接触式IC卡的操作
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作(可选)
- 支持符合ISO7816标准的PSAM卡的操作
- 一到三个SIM卡槽(PSAM)
- 带安全档门,具备防盗读(抖动进卡)及进卡与退卡检测
- 可前后方退卡,具备掉电保护功能(可选)
- 具有防堵塞、防灰尘功能、环境适应性好
- 可根据用户需求定制各种接口
- 配多型号插卡口
- EMV Level 1和PBOC认证
- Compact & light, high security & durability, advanced mechanical structure
- Support magnetic card (ISO7810 & ISO7811)
- Support contact IC card (ISO7816)
- Support contactless IC card (ISO14443 TYPE A & B)-optional
- Support PSAM & ESAM card (ISO7816)
- Supplied with 1 to 3 SIM card slots (PSAM)
- Full security shutter, with anti-skimming & card status detection
- Front & back side card eject options, with power failure protection function (optional)
- Clog-proof, dust-proof, environmental adaptability
- Various interface (customized)
- With multi bezel (optional)
- EMV Level 1 and PBOC approved

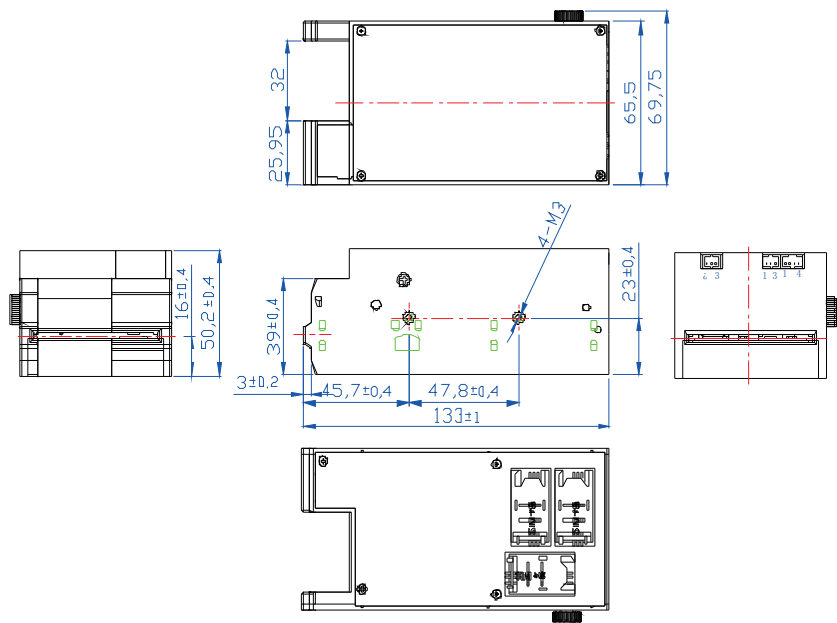


应用

Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

性能指标

支持卡类型 / Card Type			磁卡 / Magnetic Cards	接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
磁卡 Magnetic Card	ISO7810 /7811	1轨/Track 1	读 / R		
		2轨/Track 2	读 / R		
		3轨/Track 3	读 / R		
IC卡 IC Card	ISO7816		读、写 / R, W		
	PSAM/ESAM				
	EMV		Level 1认证 / Level 1 Approved		
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 TYPE A & B & MIFARE		读、写 / R, W		
使用寿命 / Lifetime			>50万次 / >500000 Cycles		
接口 / Interface			RS-232		
工作电压 / Power Supply			DC12V ± 5%		
工作电流 / Current			最大电流 / Max Current: ≤2A		
工作温度 / Working Temperature			-10~+55℃		
重量 / Weight			约 / Approx 485g		
备注 / Remark			带档门及多种卡嘴(可选) / With Shutter & Multi Bezel(Optional)		



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PT100

RECEIPT PRINTERS

票据打印机



Overview

产品概述

PT100是一款高速的工业级热敏打印机，支持58mm纸宽，配有高可靠性的自动切刀。该打印机是专门针对加油及加气站环境设计的，符合IP54标准。具备自动切纸、自检、走纸及错误状态提示等功能。该产品在多种领域中得到广泛的应用，包括自助终端机、加油机、加气机、停车场系统、自助售票机和自动售货机。

PT100 is a fast (up to 120mm/sec) thermal industrial receipt printer with 58mm paper width and highly reliable automatic cutter. The printer is specially designed for fuel & gas station environment with IP54 compliant. It has automatic cutting, self-check, paper feeding and error status indication functions. It is widely used in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

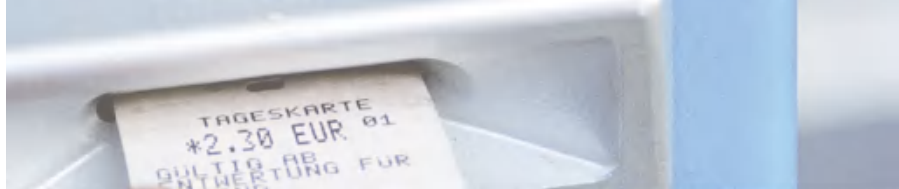
Features

产品特点

- 安全性高、稳定性好
- 热敏打印功能
- 有效打印宽度: 48/54mm(可通过控制命令选择)
- 打印质量高、打印速度快(可达120mm每秒)
- 自动切刀质量可靠, 100万次以上寿命
- 打印机自检功能, 状态监控功能
- 可根据用户需求定制各种接口
- 具有防风雨(符合IP54)、防灰尘功能、环境适应性好
- 专门针对加油站及加气站环境设计
- High reliability and durability
- Thermal printing
- Printing width: 48/54mm (options by commands)
- Printing with high graphic quality & speed (speed up to 120mm/sec)
- Highly reliable automatic cutter, over 1000000 cuts
- With self-test and full status monitor function
- Various interface (customized)
- Weather-proof (IP54 compliant), dust-proof, environmental adaptability
- Specially designed for fuel & gas station environment



PT100



Applications

应用

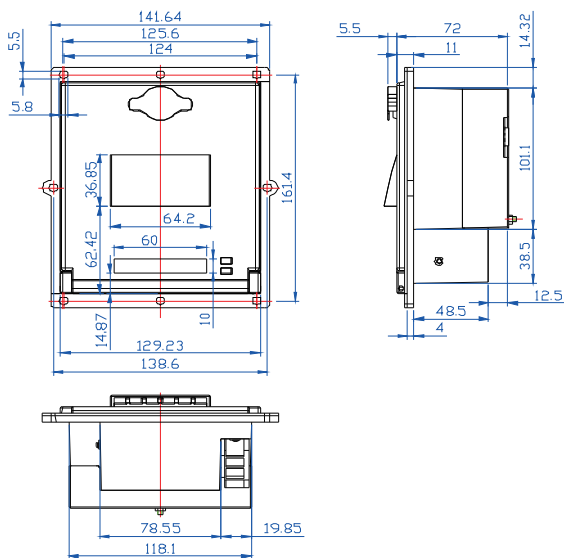
自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机

Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications

性能指标

打印方式 / Printing Method	热敏打印 / Thermal Printing
打印密度 / Printing Resolution	384/432 dpi(8 dots/mm)
打印速度 / Printing Speed	>120mm/sec
有效打印宽度 / Printing Width	48/54 mm
打印纸 / Printing Paper	最大外径 / Max External Diameter: 50mm 内径 / Internal Diameter: 12.5mm 纸宽 / Paper Width: 57.5±0.5mm 纸厚 / Paper Thickness: 65±0.5um
每行字符数 / Character Per Line	12x24 dots(32 characters)
打印控制命令 / Emulation	ESC/POS
接口 / Interface	RS232
波特率 / Baud Rate	9600/19200bps
电源 / Power Supply	DC24V ± 5%
工作电流 / Current	≤2A(+24V)
数据缓冲区 / Data Buffer	8K
操作系统 / Operating System	Windows
工作温度 / Working Temperature	-40~+70°C
打印头寿命 / Printing Head Life	100KM/100M 脉冲 / Pulses
重量 / Weight	约642g / Approx 642g
备注 / Remark	防风雨 / Weather-proof



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PT101

RECEIPT PRINTERS

票据打印机

Overview

产品概述

PT101是一款工业级热敏打印机，支持58mm纸宽，配有高可靠性的锯齿切刀。该打印机是专门针对加油及加气站环境设计的，具备防爆认证。具备锯齿切纸、自检及错误状态提示等功能。该产品在多种领域中得到广泛的应用，包括自助终端机、加油机、停车场系统、自助售票机和自动售货机。

PT101 is a thermal industrial receipt printer with 58mm paper width and highly reliable sawtooth cutter. The printer is specially designed for fuel & gas station environment with explosion-proof certificate. It has sawtooth cutting, self-check, and error status indication functions. It is widely used in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

Features

产品特点

- 结构紧凑、安全性高、稳定性好
- 热敏打印功能
- 有效打印宽度: 48mm
- 配高质量锯齿
- 打印机自检功能，状态监控功能
- 可根据用户需求定制各种接口
- 防灰尘功能、环境适应性好
- 专门针对加油站及加气站环境设计
- 通过石油化工产品防爆认证
- 专门针对加油站及加气站环境设计

- Compact, high reliability and durability
- Thermal printing
- Printing width: 48mm
- With highly reliable sawtooth cutter
- With self-test and full status monitor function
- Various interface (customized)
- Dust-proof, environmental adaptability
- Specially designed for fuel & gas station environment
- With explosion-proof certificate for petroleum & chemical products



Applications

应用

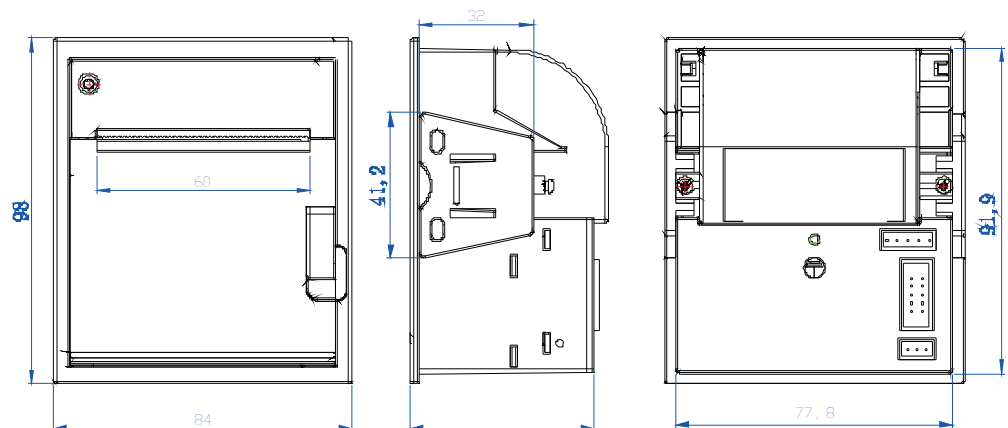
自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机

Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications

性能指标

打印方式 / Printing Method	热敏打印 / Thermal Printing	
打印密度 / Printing Resolution	384 dpi(8 dots/mm)	
打印速度 / Printing Speed	>10mm/sec(6.5V)	
有效打印宽度 / Printing Width	48/54 mm	
打印纸 / Printing Paper	最大外径 / Max External Diameter: 50mm 纸厚 / Paper Thickness: 65±0.5um	纸宽 / Paper Width: 57.5±0.5mm
每行字符数 / Character Per Line	12x24 dots(32 characters)	
打印控制命令 / Emulation	ESC/POS	
接口 / Interface	RS232	
波特率 / Baud Rate	9600/19200bps	
电源 / Power Supply	DC5-7.5V ± 5%	
工作电流 / Current	2A(+7.5V)	
数据缓冲区 / Data Buffer	4K	
操作系统 / Operating System	Windows	
工作温度 / Working Temperature	-40+55°C	
打印头寿命 / Printing Head Life	6000000字符行 / Character Lines	
重量 / Weight	约215g / Approx 215g	
备注 / Remark	具有防爆认证 / With Explosion-proof Certificate	



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AUTOMATIC VEHICLE IDENTIFICATION(AVI) SYSTEMS FOR FUELING

车辆自动加油系统



Overview

产品概述

铭特车辆自动识别(AVI)RFID系统是专为石油公司、车队、加油/加气站和服务供应商等设计的加油方案。此系统包括防爆型RFID识别传感器、无线接收分站及抗金属RFID标签，其具有快捷、易于安装、无线化等特点，可实现快速加油、自助加油、防盗窃及增加利润等功能。

MINGTE automatic vehicle identification (AVI) RFID fueling systems solution is designed for oil companies, fleets, fuel/CNG stations and service providers etc. It enables fast refueling, allows self-service refueling, reduces fraud and helps boost profits. This system is quick, easy to install and completely wireless, creating a great bond between fueling and vehicles. It includes the distinct modules, including Wireless Nozzle Reader, Wireless Receiver and Vehicle Tag etc.

Features

产品特点

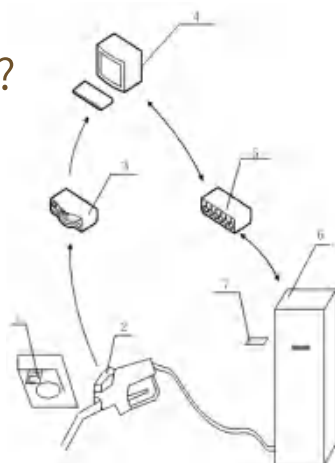
- 简单，快捷，安全，智能，无线化，易于安装
- 可有效提高石油公司及车队利润，与加油站控制系统全面整合

- Simple, quick, secure, smart, completely wireless, easy to install
- Various benefits for oil companies and fleets, seamlessly integrate with the station controller

How Does It Work?

如何工作？

- 1: 抗金属标签
- 2: 防爆型RFID识别传感器
- 3: 无线接收分站
- 4: 加油机后台控制系统
- 5: 通讯集线器
- 6: 加油机
- 7: 加油卡



- 1: Vehicle Tag
- 2: Anti-vandal Radio Frequency Nozzle (RFN)
- 3: Wireless Receiver
- 4: Fuel Dispensers Controlling Systems
- 5: Communication Hub
- 6: Fuel Dispensers
- 7: Fuel Card





车辆自动加油系统



Applications 应用

- 车辆自动加油系统
Vehicle Identification (AVI) System for Fueling
- 加油机、加气机、加油站、加气站、石油公司、天然气公司、车队、服务商
Fuel Dispensers, CNG Dispensers, Fuel & CNG Stations, Fuel & CNG Company, Fleets, Service Provider

Steps 操作步骤

- 1: 插入加油卡
- 2: 加油机传输加油卡的信息(例如加油卡号或用户信息)到加油机后台控制系统。
- 3: 插入RFID识别传感器, 验证车辆标签的详细信息(如身份证号码)。
- 4: 车辆标签信息在验证过程中被传输到加油站后台控制系统。
- 5: 当车辆和油枪间的无线通信成功时, 开始加油。
- 6: 加油完成后, 挂枪到加油泵上。
- Insert fuel card.
- Fuel dispensers transmit information (e.g., fuel card No. or user info) in fuel card to fuel dispensers controlling systems.
- Insert radio frequency nozzles, the vehicle tag details (e.g., identification No.) are validated.
- Vehicle tag details are transmitted to petro station controlling systems during authorization process.
- When wireless communication between the vehicle and nozzle is maintained, fuel will be dispensed.
- Once refueling is complete, the nozzle is returned to the pump.

Components 系统部件

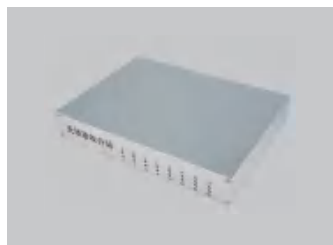


MT123/RFID识别传感器

MT123是一款防爆型RFID识别传感器, 其读取铭特RFID非接触式AVI车辆标签, 并通过无线接收分站(MT124)将标签信息上传到加油站后台控制系统, 以获取加油授权。本产品具有灵活、安全、防水、防爆、可靠、坚固及易于安装等特点。

Wireless Nozzle Reader(MT123)

The Wireless Nozzle Reader reads MINGTE AVI vehicle tag info with RFID/contactless technology. It then uploads the tag info to petro station controlling systems over wireless communicator (MT124) for refueling authorization. It is secure & tamper-proof, reliable & robust, easy to install & service and waterproof etc.



MT124/无线接收分站

MT124是一款基于RFID技术的无线接收分站, 其与RFID识别传感器(MT123)和抗金属标签(MT125)配套使用, 为车辆自动加油系统建立无线网络。本产品灵活、安全、易于安装、设置及升级等特点。

Wireless Receiver

The wireless receiver builds wireless network with RFID/contactless technology for AVI systems. It works with MINGTE Wireless Nozzle Reader (MT123) and MINGTE Vehicle Tag (MT125). It is flexible, secure and easy to install & setup & upgrade etc.



MT125/ 抗金属标签

MT125是一款专门针对加油环境而设计的高性能迷你型抗金属电子标签, 其与RFID识别传感器(MT123)和无线接收分站(MT124)配套使用。本产品符合ISO18000-6C协议, 具有安全、抗冲击、易于安装及防盗保护等功能。

Vehicle Tag

The vehicle tag is a lightweight identification unit designed for fuel inlet working environment. It works with MINGTE Wireless Nozzle Reader (MT123) & Wireless Receiver(MT124). It is secure, tamper-proof, easy to install, complies with ISO18000-6C protocol and has anti-theft protection function.

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MT123

WIRELESS NOZZLE READER

RFID识别传感器



Overview

产品概述

本产品是基于RFID技术的标签识别传感器，能够识别MT125RFID标签，与MT124无线接收分站通信、将标签ID传送到加油控制系统，本产品具有防尘、防水、防爆特征，已通过防爆认证，可以在油气环境下工作，防爆证号：CE15.2140。

The Wireless Nozzle Reader reads MINGTE AVI vehicle tag (MT125) info with RFID/contactless technology. It then uploads the tag info to petro station controlling systems over wireless receiver (MT124) for refueling authorization. It is dust-proof, water-proof and explosion-proof (certificate No.: CE15.2140), and can work under fuel & gas environment.

Features

产品特点

- 安全、可靠、坚固、易于安装、操作、升级
- 抗冲击、防水、防爆、已通过防爆认证
- 支持RFID/非接触式标签识别
- 支持无线通信
- 低电量提示功能
- 内置可拆卸的电池供电
- 专为加油/加气站设计
- Reliable, secure and robust, easy to install, service & upgrade
- Vandal-proof, water-proof and explosion-proof (certified)
- Supports RFID/contactless tag identification
- Supports wireless communication
- With low-power indicator
- With built-in and removable battery
- Designed for Fuel & CNG stations



MT123

Specifications

性能指标

识别距离 / Reading Distance	小于150毫米(工作电压:4.2V) ≤150mm(Working Power: 4.2 V)
工作时间 / Working Time	充满电池后可以连续工作72天(按加油1次耗时3分钟, 1天加油100次算) 72 Days(Calculated by 1 Time Fueling with 3 Minutes and 100 Times Fueling per Day)
工作温度 / Working Temperature	-20-+55°C
抗冲击标准 & 等级 Tamper-proof Standard & Grade	标准 / Standard: GB/T15279 5.20.4 等级 / Grade: IK10
无线通信频率 Wireless Communication Frequency	433 MHZ
电源 / Power Supply	DC4.2V ± 5% 可充电锂电池供电 Powered by Rechargeable Lithium Battery
外型尺寸(mm) / Dimensions	69.9mm(W)x100.95mm(D)x84.7mm(H)
重量 / Weight	200g(不含包装、附件) / Packing & Accessories not Included
备注 / Remarks	电池低电量指示 / With Low Power Indication for Battery



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MT124

WIRELESS RECEIVER

无线接收分站



Overview

产品概述

本产品是基于RFID技术的车辆加油识别系统中的无线接收设备，配套MT123、MT125使用。

The wireless receiver builds wireless network with RFID/contactless technology for AVI systems. It works with MINGTE Wireless Nozzle Reader (MT123) and MINGTE Vehicle Tag (MT125).

Features

产品特点

- 可靠、灵活、坚固、易于安装、操作、升级
- 可管理16个识别传感器
- 软件及功能可升级
- 支持无线通讯及RS232通讯
- 支持识别传感器地址
- Reliable, flexible and secure, easy to install, service & upgrade
- Manages up to 16 wireless nozzle readers
- Software and functional update
- Supports wireless & RS232 communication
- Supports Nozzle Reader address identification





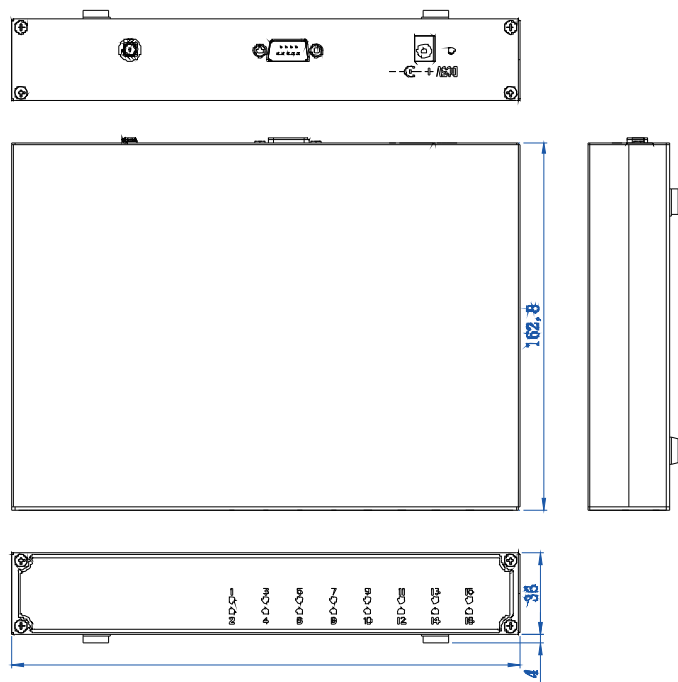
MT124



Specifications

性能指标

通信方式 / Communication	与铭特RFID识别传感器(MT123)通讯, 通过RS232传输数据给后台控制系统 Communication with MINGTE Wireless Nozzle Reader (MT123) and Transmitting Data to Controlling System via RS-232
工作温度 / Working Temperature	-20~+55°C
无线通信频率 Wireless Communication Frequency	433 MHZ
电源 / Power Supply	DC5V $\pm$ 5%
工作电流 / Current	$\leq$ 500mA
外型尺寸(mm) / Dimensions	244.6mm(W)x162.8mm(D)x36mm(H)
重量 / Weight	400g(不含包装、附件) Packing & Accessories not Included
备注 / Remarks	具有识别传感器地址功能 With Nozzle Reader Address Identification Function



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MT125

VEHICLE TAG

抗金属标签



Overview

产品概述

MT125是专门针对金属环境应用而设计的高性能迷你型抗金属电子标签, 遵循ISO18000-6C协议。使用时采用强力胶将标签粘贴于被识别物体上, 强行拆卸将导致标签线圈毁坏, 从而达到防拆的作用。配套MT123、MT124使用。

The vehicle tag is a lightweight identification unit designed for fuel inlet working environment. It works with MINGTE Wireless Nozzle Reader (MT123) & Wireless Receiver(MT124). It is secure, tamper-proof, easy to install (with strong sticker), complies with ISO18000-6C protocol and has anti-theft protection function (optional).

Features

产品特点

- 轻便、安全、易于安装
- 遵循ISO18000-6C协议
- 具有抗冲击及防盗保护功能
- Light & secure, easy to install
- Complies with ISO18000-6C protocol
- Tamper-proof & with anti-theft protection function



MT125



Specifications

性能指标

读写距离 / Reading/Writing Distance	1): 0-6m: 固定式读写器外接12dBi天线 / Fixed Reader/Writer with 12dBi Antenna 2): 0-4m: 固定式读写器外接7dBi天线 / Fixed Reader/Writer with 7dBi Antenna 3): 0-1.5m: 手持机 / Handheld Device
遵循协议 / Protocol	ISO18000-6C(EPC Global Class1 Gen2)
无线通信频率 Wireless Communication Frequency	920-925MHz
工作模式 Working Mode	读、写 / R , W
极化方式 Polarization Mode	线极化 / Linear
存储容量 Storage Capacity	TID: 64, EPC: 96, 用户 / User: 512
数据速率 Data Rate	前向 / Forward: 40-160Kbits/s 反向 / Backward: 40-640Kbits/s
数据保护 Data Protection	密码修改、锁定、销毁, 可定制读写双保护功能 Supports Passwords Modify, Lock and Destroy, Supports Read & Write Dual Protection
数据保持时间 Data Storage Time	>10年, 内存可擦写10万次以上 Over 10 years(Memory Erasable over 100K Times)
工作温度 Working Temperature	-20~+70℃
外型尺寸(mm) / Dimensions	23/25mm(L)x9mm(D)x3mm(H)
重量 / Weight	5g(不含包装、附件) / Packing & Accessories not Included
注意事项 / Remarks	陶瓷材料, 避免重击或高处跌落 Ceramic Material, no Drop from High Place



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SMART INTERCOM SYSTEMS

智能对讲系统



Overview

产品概述

MT126WL语音对讲机采用主/分机对讲系统, 对讲系统基于网络或语音平台, 充分利用局域网络, 结合自主研发的多项数字音频技术, 系统产品可广泛用于加油站、学校、金融、轨道交通、医院、公园等大小型公共场所。

MINGTE smart intercom system MT126 is composed of station selector, call station and switch. MT126 is an internet or audio based system, which is expandable to 16 and 24 call stations, which combines easy operation & installation for clear, convenient and reliable communication. It is widely used in Call Stations, Fuel Dispensers, CNG Dispensers, Fuel & CNG Stations and Fuel & CNG Company.

Features

产品特点

- 安全可靠、多功能、可扩展、易布线、易安装、易操作
- 主机与分机对讲声音高保真
- 主机可监听各分机, 自动录音并保存至SD卡

- Reliable, highly versatile and expendable, easy wiring, installation & operation
- Designed to provide vital communication between station selector & call station
- Monitoring for call station via selector, automatic record & saving to SD card by selector



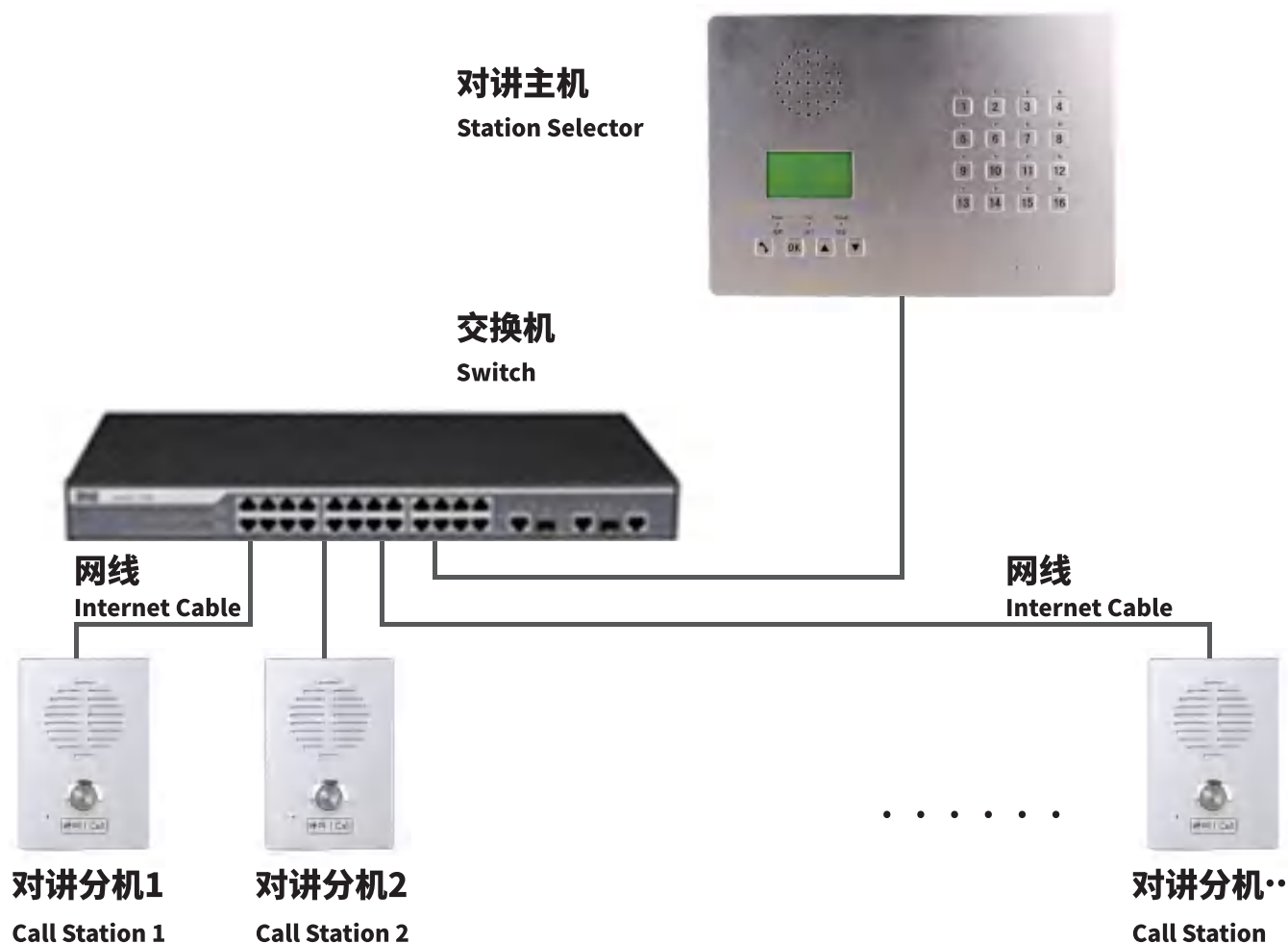
智能对讲系统

Applications

应用

呼叫站 / 加油机 / 加气机 / 加油站 / 加气站 / 石油公司 / 天然气公司

Call Stations / Fuel Dispensers / CNG Dispensers / Fuel & CNG Stations / Fuel & CNG Company



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STATION SELECTOR

主机



Features

产品特点

- 工业级设计、全金属材料、防破坏
- 表面面板采用铝合金加抗氧化处理, 有效地防止腐蚀现象
- 静电放电抗扰度符合GB/T17626.4-2006 L1
- 防雷、抗冲击, 抗扰度符合GB/T17626.5-2008 L2
- 带LCD显示模组, 便于识别分机呼叫信息
- 24个面板按键寿命高达20万次, 外设电源适配器
- 带录音和保存功能, 支持8GSD卡(可扩展)
- Industrial design & grade, anti-vandal with whole metal material
- Anti-oxidant & anti-corrosion with aluminum alloy surface
- Anti-static (standard: GB/T17626.4-2006 L1)
- GB/T17626.5-2008 L2 | Lightning-proof & surge-resistant (standard: GB/T17626.5-2008 L2)
- LCD displays info & allows easy call identification
- 24 panel keys' lifetime up to 200K times, with power adapter
- Recording & saving function, support 8G SD card (expandable)

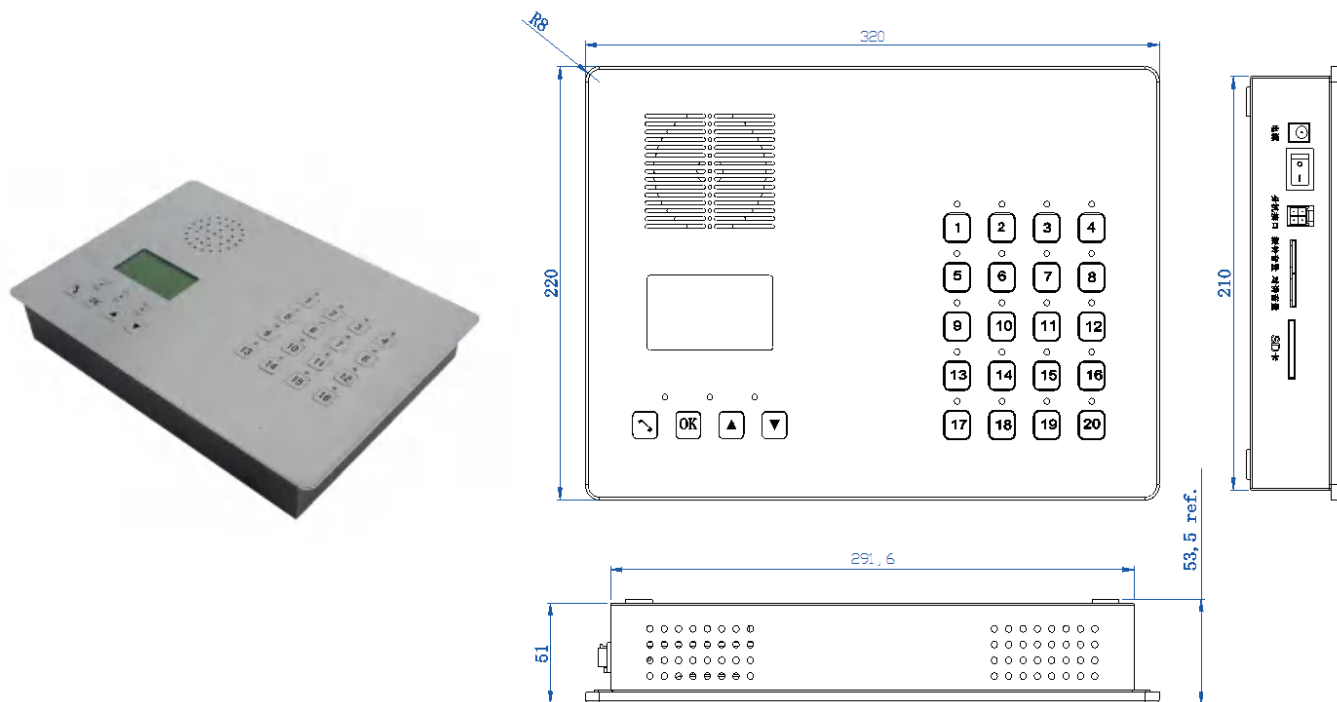


主机

Specifications

性能指标

电源 / Power Supply	DC9-12V $\pm$ 5%
功率 / Power	待机 Standby: $\leq$ 1W, 工作 Working: $\leq$ 3.5W
可接分机 / Call Stations Connection	$\leq$ 24个(无级联主机) / $\leq$ 24 Units(No Cascading Selector)
通讯 / Communication	双向通话(时间: 2分钟) / Double-talk, Time: 2 Minutes
信噪比 / SNR(Signal To Noise Ratio)	主呼通道 Calling Channel $\geq$ 25dB 应答通道 Replying Channel $\geq$ 30dB
振铃声级 / Ringing Sound Level	$\geq$ 55dB
工作温度 / Working Temperature	-40~+65°C
外型尺寸(MM) / Dimensions	320mm(W)x51mm(D)x220mm(H)
重量 / Weight	2200g(不含包装、附件) Packing & Accessories not Included



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CALL STATION

分机



Features

产品特点

- 工业级设计、全金属材料、防破坏
- 表面面板采用铝合金加抗氧化处理, 有效地防止腐蚀现象
- 分机号通过六位拨码实现, 静电放电抗扰度符合GB/T17626.4-2006 L3
- 防雷、抗冲击, 抗扰度符合GB/T17626.5-2008 L2
- 面板按键寿命高达10万次, 耐风雨(IP54)
- Industrial design & grade, anti-vandal with whole metal material
- Anti-oxidant & anti-corrosion with aluminum alloy surface
- 6 call station numbers, anti-static (standard: GB/T17626.4-2006 L3)
- Lightning-proof & surge-resistant (standard: GB/T17626.5-2008 L2)
- Panel keys' lifetime up to 100K times, weather-resistant (IP54)

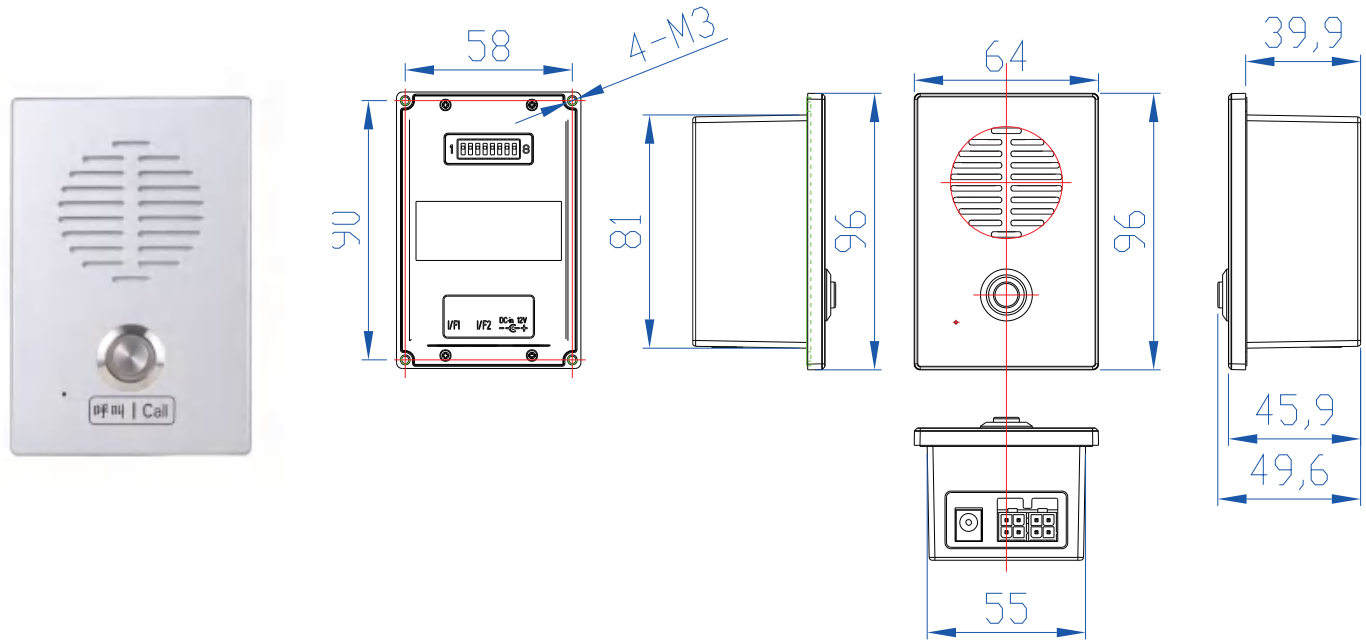


分机

Specifications

性能指标

电源 / Power Supply	DC9-12V $\pm$ 5%
功率 / Power	待机 / Standby: $\leq 1W \times 20$ 台 Units 工作 / Working: $\leq 1.1W \times 20$ 台 Units
可接主机 Station Selectors Connection	1台 / One Unit
通讯 / Communication	双向通话(时间: 2分钟) / Double-talk, time: 2 minutes
信噪比 / SNR(Signal To Noise Ratio)	主呼通道 / Calling Channel $\geq 25dB$ 应答通道 / Replying Channel $\geq 30dB$
工作温度 / Working Temperature	-40-+65°C
外型尺寸(mm) / Dimensions	58mm(W)x90mm(H)
重量 / Weight	220g(不含包装、附件) / Packing & Accessories not Included



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MT318-118ZY

SOCIAL FUEL DISPENSER
CARD READERS
社会站加油机读卡器

Overview 产品概述

本产品是一款基于ARM Cortex-M3内核MCU设计的智能读卡机具，具有防尘功能，可靠的锁卡/弹卡功能，可根据用户需求配置灵活的电路接口。本产品安全、可靠，可广泛用于中石油、中石化、电信、金融、交通等工业场合的终端外设。

This is a smart card reader designed with ARM Cortex-M3 MCU, which has automatic card lock & eject function and with clog-proof, dust-proof, environmental adaptability. Its interface is customized based on customers' requirements. It excels in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

Features 产品特点

- 结构紧凑、轻便、安全性高、稳定性好
- 支持符合ISO7816标准的接触式IC卡的操作
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 具有自动锁卡与弹卡功能、具有防堵塞、防灰尘功能、环境适应性好
- 结构防震设计，最大限度解决外力造成的卡机自弹卡问题
- 紧急弹卡功能
- 掉电保护功能(可选)
- 支持最多4个PSAM卡操作(可选)
- 可根据用户需求定制各种接口
- 配多型号插卡口
- Compact & light, high reliability & durability
- Support contact IC card (ISO7816)
- Support contactless IC card (ISO14443 TYPE A & B)
- With automatic card lock & eject function, clog-proof, dust-proof, environmental adaptability
- Shock-proof design to avoid card ejection by external force
- Card ejection in emergency
- Power failure protection function (optional)
- Can be supplied with up to 4 PSAM card slots
- Various interface (customized)
- With multi bezel (optional)

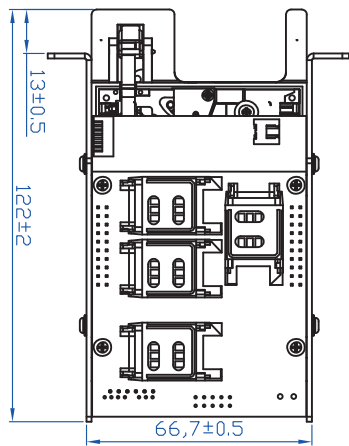
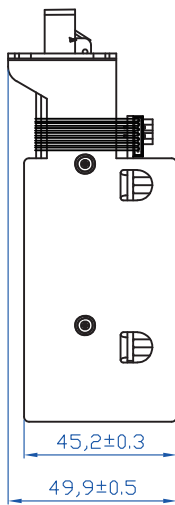
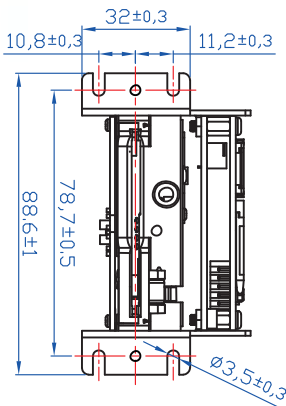


Applications
应用

自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机
Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications
性能指标

支持卡类型 / Card Type		接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
IC卡 IC Card	ISO 7816	读、写 / R, W	
	EMV	符合Level 1 / Level 1 Compliant	
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & MIFARE	读、写 / R, W	
使用寿命 / Lifetime		>50万次 / >500000 Cycles	
锁卡与弹卡机构寿命 Card Lock & Eject Mechanism Lifetime		>50万次 / >500000 Cycles	
接口 / Interface		RS-232	
工作电压 / Power Supply		DC7-15V ± 5%	
工作电流 / Current		静态电流 / Static Current: ≤50mA	最大电流 / Max Current: ≤800mA
工作温度 / Working Temperature		-40+65°C	
重量 / Weight		约297g / Approx 297g	
备注 / Remark		带档门及多种卡嘴(可选) / With Shutter & Multi Bezel(Optional)	



MT318-119XX

CNPC FUEL DISPENSER CARD READERS 中石油加油机读卡器



Overview

产品概述

本产品是一款基于ARM Cortex-M3内核MCU设计的智能读卡机具，具有防尘功能，可靠的锁卡/弹卡功能，可根据用户需求配置灵活的电路接口。本产品安全、可靠，可广泛用于中石油、中石化、电信、金融、交通等工业场合的终端外设。

This is a smart card reader designed with ARM Cortex-M3 MCU, which has automatic card lock & eject function and with clog-proof, dust-proof, environmental adaptability. Its interface is customized based on customers' requirements. It excels in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

Features

产品特点

- 结构紧凑、轻便、安全性高、稳定性好
- 支持符合ISO7816标准的接触式IC卡的操作
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 支持符合ISO7816标准的PSAM和ESAM卡的操作(PSAM和ESAM接口用户可选)
- 最多支持4个PSAM卡槽
- 具有自动锁卡与弹卡功能、具有防堵塞、防灰尘功能、环境适应性好
- 结构防震设计，最大限度解决外力造成的卡机自弹卡问题
- 紧急弹卡功能
- 掉电保护功能(可选)
- 可根据用户需求定制各种接口
- 配多型号插卡口
- Compact & light, high reliability & durability
- Support contact IC card (ISO7816)
- Support contactless IC card (ISO14443 TYPE A & B)
- Support PSAM & ESAM card (ISO7816), optional PSAM and ESAM
- Can be supplied with up to 4 PSAM card slots
- With automatic card lock & eject function, clog-proof, dust-proof, environmental adaptability
- Shock-proof design to avoid card ejection by external force
- Card ejection in emergency
- Power failure protection function (optional)
- Various interface (customized)
- With multi bezel (optional)



MT318-119XX

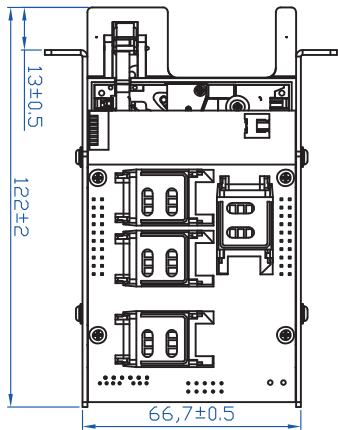
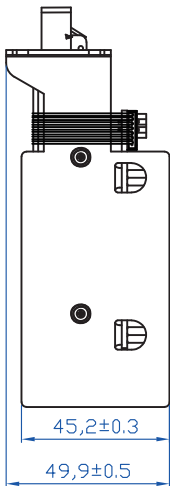
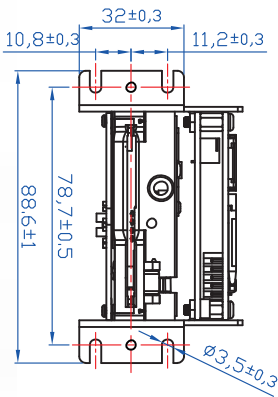


Applications 应用

自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机
Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications 性能指标

支持卡类型 / Card Type		接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
IC卡 IC Card	ISO 7816	读、写 / R, W	
	PSAM		
	EMV	符合Level 1 / Level 1 Compliant	
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & MIFARE	读、写 / R, W	
使用寿命 / Lifetime		>50万次 / >500000 Cycles	
锁卡与弹卡机构寿命 Card Lock & Eject Mechanism Lifetime		>50万次 / >500000 Cycles	
接口 / Interface		RS-232	
工作电压 / Power Supply		DC8-15V $\pm$ 5%	
工作电流 / Current		静态电流 / Static Current: $\leq$ 50mA	最大电流 / Max Current: $\leq$ 800mA
工作温度 / Working Temperature		-40~+65°C	
重量 / Weight		约268g / Approx 268g	
备注 / Remark		带档门及多种卡嘴(可选) / With Shutter & Multi Bezel(Optional)	



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MT318-119ZY

SINOPEC FUEL DISPENSER CARD READERS 中石化加油机读卡器



Overview

产品概述

本产品是一款基于ARM Cortex-M3内核MCU设计的智能读卡机具，具有防尘功能，可靠的锁卡/弹卡功能，可根据用户需求配置灵活的电路接口。本产品安全、可靠，可广泛用于中石油、中石化、电信、金融、交通等工业场合的终端外设。

This is a smart card reader designed with ARM Cortex-M3 MCU, which has automatic card lock & eject function and with clog-proof, dust-proof, environmental adaptability. Its interface is customized based on customers' requirements. It excels in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

Features

产品特点

- 符合中石化2016标准要求
- 支持符合ISO7816标准的接触式IC卡的操作
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 支持符合ISO7816标准的PSAM卡的操作
- 最多支持4个PSAM卡槽
- 具有自动锁卡与弹卡功能、具有防堵塞、防灰尘功能、环境适应性好
- 结构防震设计，最大限度解决外力造成的卡机自弹卡问题
- 紧急弹卡功能
- 掉电保护功能(可选)
- 可根据用户需求定制各种接口
- 配多型号插卡口

- Compliant with Sinopec 2016 standards
- Support contact IC card (ISO7816)
- Support contactless IC card (ISO14443 TYPE A & B)
- Support PSAM card (ISO7816)
- Can be supplied with up to 4 PSAM card slots
- With automatic card lock & eject function, clog-proof, dust-proof, environmental adaptability
- Shock-proof design to avoid card ejection by external force
- Card ejection in emergency
- Power failure protection function (optional)
- Various interface (customized)
- With multi bezel (optional)



MT318-119ZY

Applications

应用

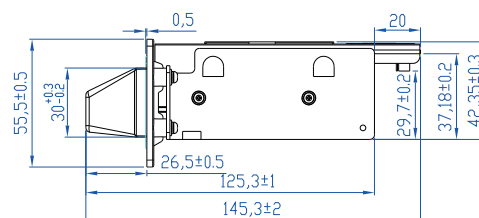
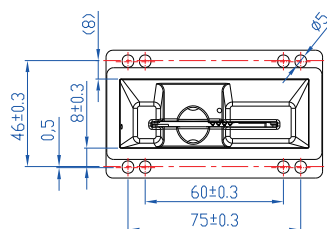
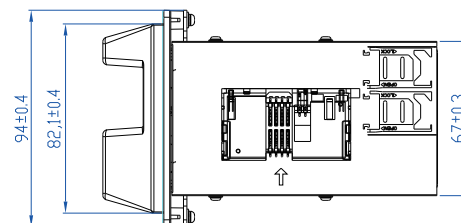
自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机

Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications

性能指标

支持卡类型 / Card Type		接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
IC卡 IC Card	ISO 7816	读、写 / R, W	
	PSAM		
	EMV	符合Level 1 / Level 1 Compliant	
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & MIFARE	读、写 / R, W	
使用寿命 / Lifetime		>50万次 / >500000 Cycles	
锁卡与弹卡机构寿命 Card Lock & Eject Mechanism Lifetime		>50万次 / >500000 Cycles	
接口 / Interface		RS-232	
工作电压 / Power Supply		DC7-15V $\pm$ 5%	
工作电流 / Current		静态电流 / Static Current: $\leq$ 50mA	最大电流 / Max Current: $\leq$ 800mA
工作温度 / Working Temperature		-40~+65°C	
重量 / Weight		约268g / Approx 268g	
备注 / Remark		带挡门及多种卡嘴(可选择) / With Shutter & Multi Bezel(Optional)	



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MT318-120BZ

CNG DISPENSER CARD READERS 加气机读卡器



Overview

产品概述

本产品是一款基于ARM Cortex-M3内核MCU设计的智能读卡机具，具有防尘功能，可靠的锁卡/弹卡功能，可根据用户需求配置灵活的电路接口。本产品安全、可靠，可广泛用于中石油、中石化、电信、金融、交通等工业场合的终端外设。

This is a smart card reader designed with ARM Cortex-M3 MCU, which has automatic card lock & manual eject function and with clog-proof, dust-proof, environmental adaptability. Its interface is customized based on customers' requirements. It excels in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, and Vending Machines etc.

Features

产品特点

- 结构紧凑、轻便、安全性高、稳定性好
- 支持符合ISO7816标准的接触式IC卡的操作
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 支持符合ISO7816标准的PSAM和ESAM卡的操作(PSAM和ESAM接口用户可选)
- 四个PSAM卡槽
- 具有自动锁卡功能、具有防堵塞、防灰尘功能、环境适应性好
- 结构防震设计，最大限度解决外力造成的卡机自弹卡问题
- 手动按键弹卡功能
- 掉电保护功能(可选)
- 可根据用户需求定制各种接口
- 配多型号插卡口
- Compact & light, high reliability & durability
- Support contact IC card (ISO7816)
- Support contactless IC card (ISO14443 TYPE A & B)
- Support PSAM & ESAM card (ISO7816), optional PSAM and ESAM
- Supplied with 4 PSAM card slots
- With automatic card lock function, clog-proof, dust-proof, environmental adaptability
- Shock-proof design to avoid card ejection by external force
- Manual card ejection in emergency
- Power failure protection function (optional)
- Various interface (customized)
- With multi bezel (optional)



MT318-120BZ

Applications

应用

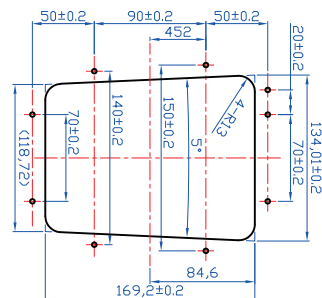
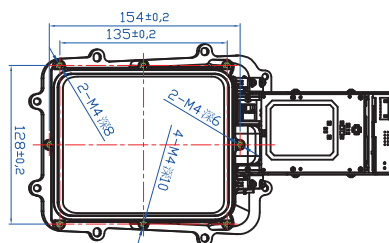
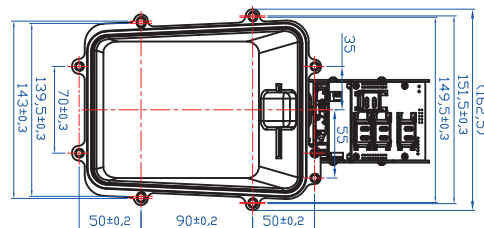
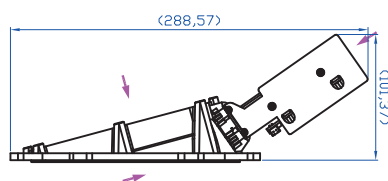
自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机

Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications

性能指标

支持卡类型 / Card Type		接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
IC卡 IC Card	ISO 7816	读、写 / R, W	
	PSAM		
	EMV	符合Level 1 / Level 1 Compliant	
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & MIFARE	读、写 / R, W	
使用寿命 / Lifetime		>50万次 / >500000 Cycles	
锁卡与弹卡机构寿命 Card Lock & Eject Mechanism Lifetime		>50万次 / >500000 Cycles	
接口 / Interface		RS-232	
工作电压 / Power Supply		DC7-15V $\pm$ 5%	
工作电流 / Current		静态电流 / Static Current: $\leq$ 50mA	最大电流 / Max Current: $\leq$ 800mA
工作温度 / Working Temperature		-40~+65°C	
重量 / Weight		约400g / Approx 400g	
备注 / Remark		带档门及多种卡嘴(可选) / With Shutter & Multi Bezel(Optional)	



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MT625

CONTACTLESS IC CARD READER

非接触式读卡器



Overview

产品概述

铭特MT625系列非接触式读卡器是基于操作ISO14443与ISO7816标准卡片的读卡模块，配有两个SIM卡座，可灵活配置PSAM卡和ESAM卡。该产品在多种领域中得到广泛的应用，包括电动汽车充电桩、自助终端机、加油机、加气机、停车场系统、自助售票机、自动售货机及身份认证终端等。

MINGTE' s MT625 series contactless IC card reader is a card reading module, which supports ISO14443 Type A & B contactless IC card and ISO7816 smart cards. It has 2 SIM card slots for flexible PSAM & ESAM configuration. It excels in various fields, including Vehicle Charging Points, Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, Vending Machines and ID Terminals etc.

Features

产品特点

- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 支持符合ISO14443标准的S50和S70(Mifare)卡的操作
- 支持符合ISO7816标准的PSAM和ESAM卡的操作(PSAM和ESAM接口用户可选)
- 可根据用户需求兼容南方电网充电桩或国家电网充电桩应用流程
- 根据充电行业应用或金融应用，支持内部封装，降低二次开发难度
- 多种通信方式，可根据客户需求定制
- 可支持各地区城市一卡通，支持通过RS232串口在线升级
- 天线尺寸精心设计，符合大多数面板开孔设计
- 多种安装尺寸设计，温度适应性强
- Support contactless IC card (ISO14443 TYPE A & B)
- Support S50 & S70 (Mifare) card (ISO14443)
- Support PSAM & ESAM card (ISO7816), optional PSAM and ESAM
- Customized for compatibility with application flow of charging points from China Southern Power Grid or State Grid
- Customized for charging or financial applications, easy and cost-effective for secondary development
- Various corresponding and custom design
- Support city card of different areas, software updated via RS232 supported
- Carefully-designed antenna size for most installation design
- Various installation dimensions design, temperature-proof



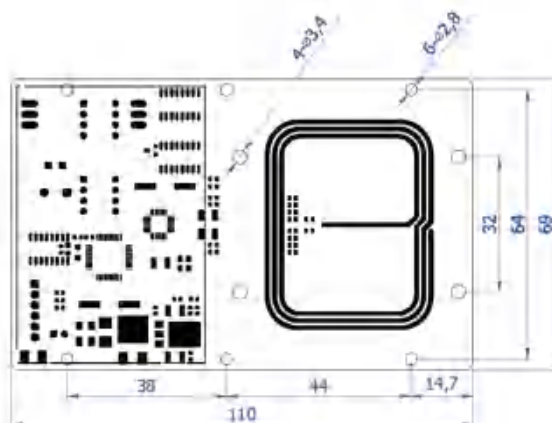
MT625

Applications 应用

电动汽车充电桩 / 自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机 / 身份认证终端
Electric Vehicle Charging Points / Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines / ID Terminals,

Specifications 性能指标

支持卡类型 / Card Type		接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & MIFARE	读、写 / R, W	
IC卡 IC Card	SIM/PSAM/ESAM	读、写 / R, W	
	EMV	Level 1认证 / Level 1 Approved	
读卡距离 / Card Reading Distance		4-8厘米、106Kbit(与卡和安装环境有关) / 4-8cm and 106Kbit (Related to Cards and Installation Environment)	
接口 / Interface		RS-232/TTL(uart)	
波特率 / Baud Rate		9600/38400/57600/115200bps	
天线 / Antenna		PCB天线 / PCB Antenna	
工作频率 / Frequency		13.56MHz	
卡与机具通讯速度 Communication Speed		106Kbit(212Kbit, 424Kbit pps命令可选) 106Kbit(212Kbit & 424Kbit pps Commands Optional)	
二次开发 Secondary Development		VC, Linux	
操作系统 / Operating System		Windows 98, Me, 2K, XP, 2003, Vista and Linux	
存储数据容量 / storage Data Capacity		读写器内存存储器标准配置 / Standard Capacity inside Reader: 4K 字节 / Bytes	
状态显示 / Status Display		LED 指示灯指示电源或通讯状态, 用户可控蜂鸣器 LED indication light for power & communication status, user controlled buzzer	
工作电压 / Power Supply		DC5V 或 / or +9-12V $\pm$ 5%	
工作电流 / Current		静态电流 / Static Current: $\leq$ 25mA(5V)	最大电流 / Max Current: $\leq$ 130mA(5V)
工作温度 / Working Temperature		-40~+65°C	
重量 / Weight		约32g / Approx 32g	



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MT626

CONTACTLESS IC CARD READER

非接触式读卡器



Overview

产品概述

铭特MT626系列非接触式读卡器是基于操作13.56MHz频率的ISO14443A类标准卡片的读卡模块。该产品在多种领域中得到广泛的应用,包括电动汽车充电桩、自助终端机、加油机、加气机、停车场系统、自助售票机、自动售货机及身份认证终端等。

MINGTE's MT626 series contactless IC card reader is a card reading module, which supports ISO14443 Type A cards with 13.56 MHz frequency. It excels in various fields, including Vehicle Charging Points, Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, Vending Machines and ID Terminals etc.

Features

产品特点

- 支持符合ISO14443 Type A标准的非接触式IC卡的操作
- 支持符合ISO14443标准的S50和S70(Mifare)卡的操作
- 可支持各地区城市一卡通
- 多种通信方式,可根据客户需求定制
- 支持通过RS232串口在线升级
- 天线尺寸精心设计,符合大多数面板开孔设计
- 多种安装尺寸设计,温度适应性强
- 塑料外壳(符合IP54标准)可选

- Support contactless IC card (ISO14443 TYPE A)
- Support S50 & S70 (Mifare)
- Support city card of different areas
- Various corresponding and custom design
- Software updated via RS232 supported
- Carefully-designed antenna size for most installation design
- Various installation dimensions design, temperature-proof
- Optional IP54 plastic enclosure



MT626

Applications

应用

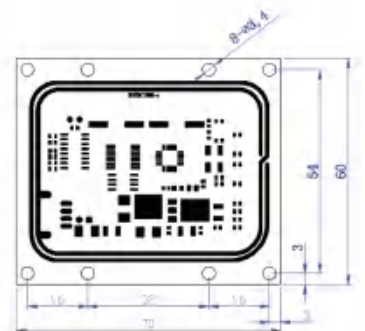
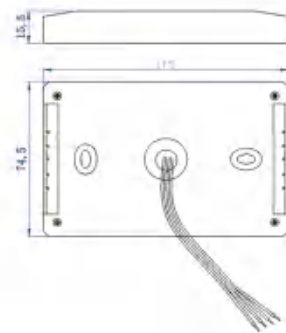
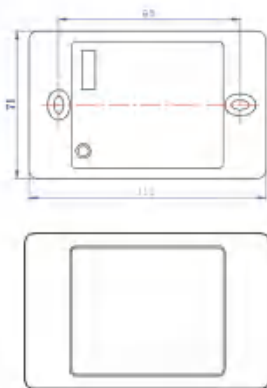
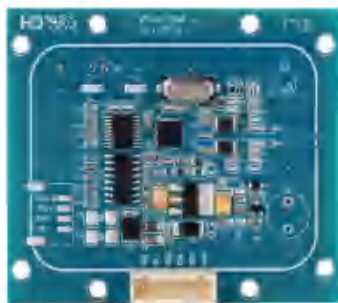
电动汽车充电桩 / 自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机 / 身份认证终端

Electric Vehicle Charging Points / Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines / ID Terminals

Specifications

性能指标

支持卡类型 / Card Type		接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & MIFARE	读、写 / R, W	
读卡距离 / Card Reading Distance		4-8厘米、106Kbit(与卡和安装环境有关) / 4-8cm and 106Kbit (Related to Cards and Installation Environment)	
接口 / Interface		RS-232/TTL(uart)	
通讯速率 / Communication Frequency		9600/38400/57600/115200bps	
天线 / Antenna		PCB天线 / PCB Antenna	
射频频率 / RFID Frequency		13.56MHz	
卡与机具通讯速度 Communication Speed		106Kbit(212Kbit、424Kbit pps命令可选) 106Kbit(212Kbit & 424Kbit pps Commands Optional)	
二次开发 Secondary Development		VC, Linux	
操作系统 / Operating System		Windows 98, Me, 2K, XP, 2003, Vista and Linux	
存储数据容量 / Storage Data Capacity		读写器内存储器标准配置 / Standard Capacity inside Reader: 4K 字节 / Bytes	
状态显示 / Status Display		LED 指示灯指示电源或通讯状态 LED Indication Light for Power & Communication status	
工作电压 / Power Supply		DC5V $\pm$ 5%	
工作电流 / Current		静态电流 / Static Current: $\leq$ 25mA(5V)	最大电流 / Max Current: $\leq$ 130mA(5V)
工作温度 / Working Temperature		-40~+65°C	
重量 / Weight		约15g / Approx 15g	



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MT628

CONTACTLESS IC CARD READER

非接触式读卡器

Overview

产品概述

铭特MT628系列非接触式读卡器是基于操作ISO14443与ISO7816标准芯片的读卡模块，该产品配有1个SAM卡座(可选择ESAM或者PSAM)，天线方式可以集成也可采取分体式，根据客户实际需求定制开发，该产品在多种领域中广泛的应用，包括电动汽车充电桩、自助终端机、加油机、加气机、停车场系统、自助售票机、自动售货机及身份认证终端等。

Features

产品特点

- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 支持符合ISO14443标准的S50和S70(Mifare)卡的操作
- 支持符合ISO7816标准的PSAM和ESAM卡的操作(PSAM和ESAM接口用户可选)
- 两个SIM卡槽(PSAM或ESAM)
- 可根据用户需求兼容南方电网充电桩或国家电网充电桩应用流程
- 根据充电行业应用或金融应用，支持内部封装，降低二次开发难度
- 通讯接口兼容国网标准，多种通信方式，可根据客户需求定制
- 支持通过RS232串口在线升级
- 天线尺寸精心设计，符合大多数面板开孔设计
- 多种安装尺寸设计，温度适应性强

MINGTE' s MT628 series contactless IC card reader is a card reading module, which supports ISO14443 contactless IC card and ISO7816 smart cards. It has 1 SAM card slot (optional ESAM or PSAM). The antenna board can be made integrated with the mainboard or separated to it, which depends on customers' requirements. It excels in various fields, including Vehicle Charging Points, Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, Vending Machines and ID Terminals etc.

- Support contactless IC card (ISO14443 ATYPE A & B)
- Support S50 & S70 (Mifare)
- Support PSAM & ESAM card (ISO7816), optional PSAM and ESAM
- Supplied with 2 SIM card slots (PSAM or ESAM)
- Customized for compatibility with application flow of charging points from China Southern Power Grid or State Grid
- Customized for charging or financial applications, easy and cost-effective for secondary development
- Communication interface compatible with China State Grid standard, various corresponding and custom design
- Software updated via RS232 supported
- Carefully-designed antenna size for most installation design
- Various installation dimensions design, temperature-proof



MT628

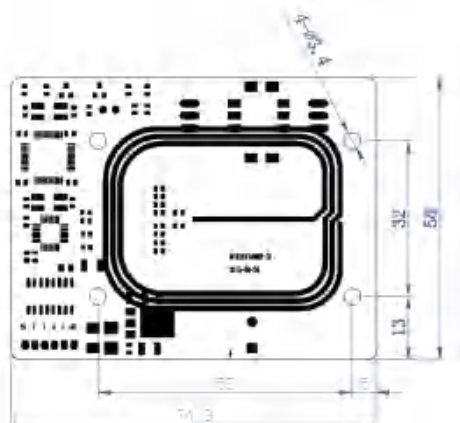


Applications 应用

电动汽车充电桩 / 自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机 / 身份认证终端
Electric Vehicle Charging Points / Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines / ID Terminals

Specifications 性能指标

支持卡类型 / Card Type		非接触式IC卡 / Contactless IC Cards SIM卡、PSAM卡、ESAM卡 / SIM Cards, PSAM Cards, ESAM Cards
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & MIFARE	读、写 / R, W
IC卡 / IC CARD	SIM/PSAM/ESAM	读、写 / R, W
	EMV	符合Level 1 / Level 1 Compliant
读卡距离 / Card Reading Distance		4-8厘米、106Kbit(与卡和安装环境有关) / 4-8cm and 106Kbit (Related to Cards and Installation Environment)
接口 / Interface		RS-232/TTL(uart)
通讯速率 / Communication Frequency		9600/38400/57600/115200bps
天线 / Antenna		PCB天线 / PCB Antenna
射频频率 / RFID Frequency		13.56MHz
卡与机具通讯速度 Communication Speed		106Kbit(212Kbit、424Kbit pps命令可选) 106Kbit(212Kbit & 424Kbit pps Commands Optional)
二次开发 Secondary Development		VC, Linux
操作系统 / Operating System		Windows 98, Me, 2K, XP, 2003, Vista and Linux
存储数据容量 / Storage Data Capacity		读写器内存储器标准配置 / Standard Capacity inside Reader: 4K 字节 / Bytes
状态显示 / Status Display		LED 指示灯指示电源或通讯状态 LED Indication Light for Power & Communication status
工作电压 / Power Supply		DC5V $\pm$ 5%
工作电流 / Current		静态电流 / Static Current: $\leq$ 25mA(5V) 最大电流 / Max Current: $\leq$ 120mA(5V)
工作温度 / Working Temperature		-40~+65°C
重量 / Weight		约15g / Approx 15g



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MT625V500

MULTI-FUNCTION EMBEDDED CARD READERS

多功能嵌入式读卡模块



Overview

产品概述

MT625V500是一款专门为金融支付设计的二代证和金融IC卡均可读写多功能读卡器模块。模块的设计完全符合GA467-2013、ISO14443、ISO7816规范/标准。配有四个PSAM卡座, 可根据需求配置不同部件, 实现不同射频卡的读取和写入功能。配置了专用身份证安全控制模块(SAM), 可作为第二代居民身份证阅读器使用。

MT625V500 is a multifunctional card reader module designed for financial payment, which can read and write China second-generation identity card and financial IC card. It is compliant with GA467-2013, ISO14443, and ISO7816 standard. Supplied with 4 PSAM slots, it can also be configured with RFID card reading and writing functions according to customer's requirements. With a specified identification secure access module (SAM), it can be used as an ID card reader.

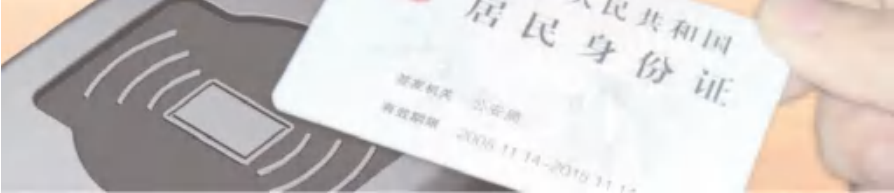
Features

产品特点

- 操作简单、安全性高、稳定性好
- USB接口, PC/SC通讯协议
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 支持符合ISO7816标准的PSAM卡(4个)的读写
- 支持身份证信息读取
- 符合公安部《居民身份证验证安全控制模块接口技术规范》GA467-2013的要求, 配套安全SAM使用
- 可控的声音和LED指示功能
- 支持在线升级功能
- Easy to operate, high reliability and durability
- USB interface, PC/SC protocol
- Support contactless IC card (ISO14443 TYPE A & B)
- Support 4 PSAM cards (ISO7816)
- Support ID card reading
- Comply with the requirements of the Ministry of Public Security's technical specification for the verification of the safety control module of resident identity card, GA467-2013, being used with SAM.
- With controllable buzzer and LED indicator
- Support online update



MT625V500

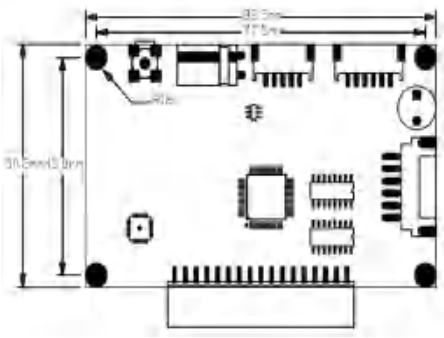


Applications 应用

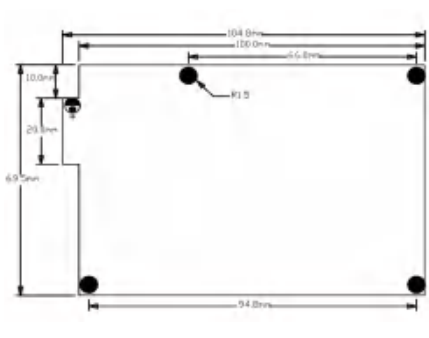
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Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines / Electric Vehicle Charging Points / ID Terminals

Specifications 性能指标

支持卡类型 / Card Type		身份证 / ID Cards	接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC cards
二代证安全模块 Second-generation ID Card Reader Security Module		内置二代证读卡器安全模块, 由公安部认证许可, 符合中国第二代身份证阅读设备标准; 读卡距离>5CM、读卡速度≤1.5秒 Built-in Second-generation ID Card Reader Security Module, Certificated by Ministry of Public Security, Compliant with China Second-generation ID Card Reader Standard, Reading Range>5cm, Reading Speed≤1.5s		
非接触式卡 Contactless IC Card	ISO14443 TYPE A & B & MIFARE	读、写 / R, W		
IC卡 IC Card	ISO 7816	读、写 / R, W		
	PSAM(4个/4PCS)			
	EMV			
Level 1 认证 / Level 1 Approved				
读卡距离 / Card Reading Distance		3厘米(与卡有关) / 3cm(Related to Cards)		
工作频率 / Frequency		13.56MHz ± 7K		
卡与机具通讯速度 Communication Speed		106(默认 / Default), 212, 424, 848 Kbps		
CPU卡APDU最大长度 Max APDU Length of CPU Card		读270字节、写260字节 / Read 270 Bytes, Write 260 Bytes		
指示灯 / Indication Light		指令控制 / Controlled by Commands		
蜂鸣器 / Buzzer		指令控制 / Controlled by Commands		
接口 / Interface		USB		
工作电压 / Power Supply		DC5V ± 5%		
电流 / Current		工作电流 / Working Current: ≤400mA 静态电流 / Static Current: ≤160mA		
温度 / Temperature (无凝结 / No Condensation)		储存温度 / Storage Temp: -40 - +75°C 工作温度 / Working Temp: -40 - +65°C		
重量 / Weight		约 / Approx 67g		



主板 / Mainboard



天线板 / Antenna Mainboard

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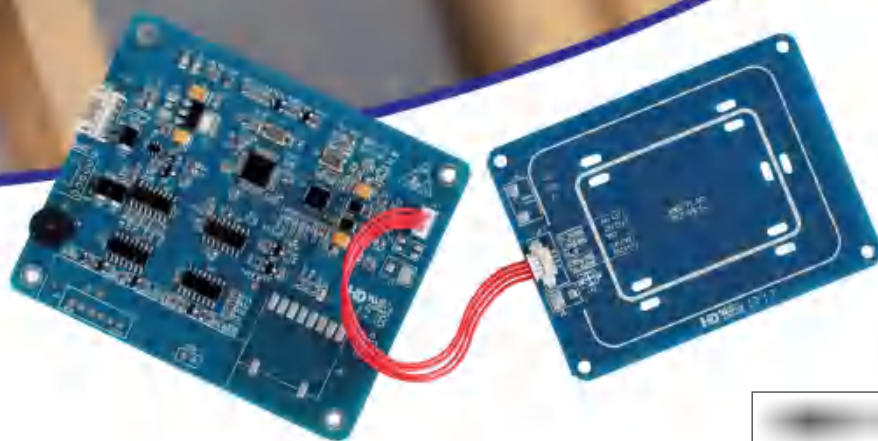
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MT625V511

MULTI-FUNCTION EMBEDDED CARD READERS

多功能嵌入式读卡模块



Overview

产品概述

MT625V511是一款多功能嵌入式读卡模块,可读取非接触式卡片、PSAM卡,无需驱动、即插即用,适用于各种Windows平台。

MT625V511 is a multifunctional embedded card reading module supporting Contactless IC Card and PSAM card. It is a plug and play card reader and does not need driver, suitable for various Windows platforms.

Features

产品特点

- 操作简单、安全性高、稳定性好
- 采用HID USB接口,无需安装驱动,可直接使用
- 支持符合ISO14443 Type A和Type B标准的非接触式IC卡的操作
- 支持符合ISO7816标准的PSAM卡(8个)的读写
- 可同时支持13.56MHz和125KHz卡片(可定制)
- 支持蜂鸣器操作
- 支持在线升级功能
- Easy to operate, high reliability and durability
- With HID USB interface, no need to install driver, plug and play
- Support contactless IC card (ISO14443 TYPE A & B)
- Support 8 PSAM cards (ISO7816)
- Support 13.56MHz and 125KHz cards (can be customized)
- Support buzzer
- Support online updating



MT625V511

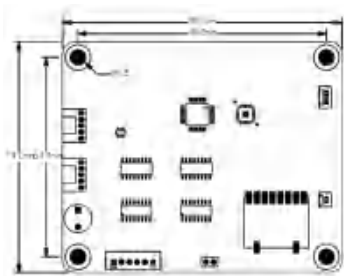


Applications 应用

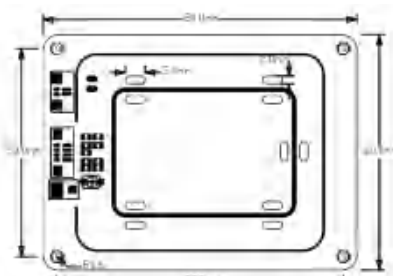
自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机 / 电动汽车充电桩 / 身份认证终端
Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines / Electric Vehicle Charging Points / ID Terminals

Specifications 性能指标

支持卡类型 / Card Type		接触式卡 / Contact Cards	非接触式IC卡 / Contactless IC cards
非接触式卡 Contactless IC Card	ISO14443 TYPE A & B & MIFARE	读、写 / R, W	
	ISO 7816	读、写 / R, W	
	PSAM(8个/8PCS)	符合Level 1 / Level 1 Compliant	
IC卡 IC Card	EMV		
读卡距离 / Card Reading Distance		5厘米(与卡有关) / 5cm(Related to Cards)	
工作频率 / Frequency		13.56MHz ± 7K/125KHz	
卡与机具通讯速度 Communication Speed		106(默认 / Default), 212, 424, 848 Kbps	
CPU卡APDU最大长度 Max APDU Length of CPU Card		读270字节、写260字节 / Read 270 bytes, write 260 bytes	
指示灯 / Indication Light		D1电源指示, D2 通讯指示, D3 Em卡检测指示 / D1 for Power, D2 for Communication, D3 for EM Card Detection	
蜂鸣器 / Buzzer		指令控制 / Controlled by Commands	
接口 / Interface		USB HID	
工作电压 / Power Supply		DC5V ± 5%, USB取电 / Power Supply	
通讯速率 / Communication Rate		全速 / Full Speed 12MBPS	
工作电流 / Current		≤200mA(DC 5V)	
天线连接线 Antenna Connection Cable		主板与天线 / Antenna and Mainboard: 100mm	
温度 / Temperature (无凝结 / No Condensation)		储存温度 / Storage Temp: -40 - +85°C 工作温度 / Working Temp: -25 - +65°C	
重量 / Weight		约 / Approx 51g	



主板 / Mainboard



天线板 / Antenna Board

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MT625V520

ID CARD READERS

身份证阅读器



Overview

产品概述

MT625V520是一款用于自动化设备的内置式二代居民身份证阅读机具。采用RS232接口, 结合射频接口芯片, 通过专用的安全控制模块(SAM), 将二代居民身份证的个人信息资料读出。该产品品质稳定可靠, 能适应各类恶劣的工作环境, 并提供SDK方便进行系统集成二次开发。

MT625V520 is a built-in China second generation ID card reader for automatic equipments. With RS232 interface and RF interface chip, it can read China second generation ID card through specified secure access module (SAM). It is stable and reliable, and adopts various kinds of harsh working environment. SDK is available for secondary development of system integration.

Features

产品特点

- 操作简单、安全性高、稳定性好
- RS232接口, USB供电
- 符合ISO14443 Type B国际标准, 认证速度快
- 支持身份证信息读取
- 符合公安部《居民身份证验证安全控制模块接口技术规范》的要求, 配套安全SAM使用
- 可控的声音和LED指示功能(可选)
- 支持在线升级功能
- Easy to operate, high reliability and durability
- RS232 interface, USB power supply
- ISO14443 Type B compliant, fast identification
- Support ID card reading
- Comply with the requirements of the Ministry of Public Security's technical specification for the verification of the safety control module of ID card, being used with SAM.
- With controllable buzzer and LED indicator (optional)
- Support online update



MT625V520

Applications 应用

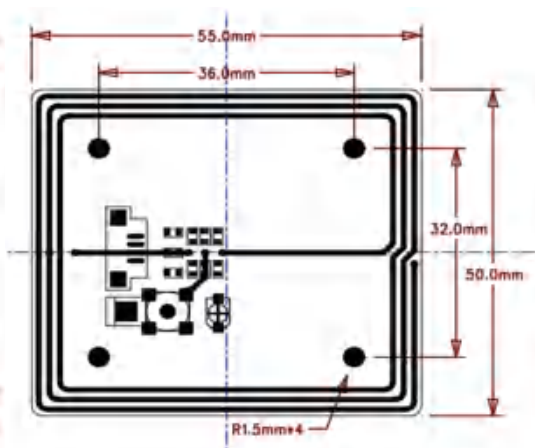
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Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines / Electric Vehicle Charging Points / ID Terminals

Specifications 性能指标

支持卡类型 / Card Type		身份证 / ID Cards
二代证安全模块 Second-generation Id Card Reader Security Module		内置二代证读卡器安全模块, 由公安部认证许可, 符合中国第二代身份证阅读设备标准; 读卡距离>5CM、读卡速度≤1.5秒 Built-in Second-generation ID Card Reader Security Module, Certificated by Ministry of Public Security, Compliant with China Second-generation ID Card Reader Standard, Reading Range>5cm, Reading Speed≤1.5s
非接触式卡 Contactless IC Card	ISO14443 TYPE B	读、写 / R, W
读卡距离 / Card Reading Distance		3厘米(与卡有关) / 3cm(Related to Cards)
工作频率 / Frequency		13.56MHz ± 7K
卡与机具通讯速度 Communication Speed		106(默认 / Default), 212, 424, 848 Kbps
指示灯 / Indication Light		指令控制 / Controlled by Commands
蜂鸣器 / Buzzer		指令控制 / Controlled by Commands
接口 / Interface		RS232
工作电压 / Power Supply		DC5V ± 5%
电流 / Current		工作电流 / Working Current: ≤400mA 静态电流 / Static Current: ≤160mA
温度 / Temperature (无凝结 / No Condensation)		储存温度 / Storage Temp: -20 - +75°C 工作温度 / Working Temp: 0 - +50°C
重量 / Weight		约 / Approx 161g



主板 / Mainboard



天线板 / Antenna Board

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MT500

BILL ACCEPTORS

纸币接收器

Overview

产品概述

铭特MT500 纸币识别器是一款后维护式纸币自动识别设备。结构设计采用通用面板，居中整钞装置，防抽币(钓鱼)，收钞自动堆叠装置和大容量加锁钞箱，光学传感器部分采用上下对称布局的多波段光电传感器同时检测纸币两面的光学特性，配备高灵敏磁电传感器检测纸币的磁性特征。设备主控单元采用高速微处理器，配合智能模糊识别算法和特征识别算法对纸币进行定性定量分析。

Features

产品特点

- 安全性高、稳定性好
- 先进的传感器技术，有效检测纸币的防伪特征
- 单张四面任意位置入钞，收钞速度快，入钞自动居中，降低卡币概率
- 后维护式纸币自动识别设备，兼容性好
- 拆卸式带锁安全钞箱，具有收钞自动堆叠
- 具有防抽币(钓鱼)功能，维护简单
- 在线IAP升级，和主机通讯采用标准CCNET协议

MT500 bill acceptor is an automatically backload bill acceptor. It is designed with universal front panel, auto-calibration & anti-fishing mechanism, stacker and removable security cash-box (lockable) and advanced sensor technology to provide maximum currency validation. It has high speed CPU and intelligent fuzzy recognition algorithm for banknotes analysis.

- High reliability and durability
- Advanced sensor technology to provide maximum currency validation
- Four-way bill insertion (single feed), fast transaction time, auto-calibrating, reduce bill jam
- Backload design with high compatibility
- Stacker and removable security cassette (lockable)
- Anti-stringing (fishing) function, easy maintenance
- IAP online update, communication with CCNET protocol



MT500



Applications

应用

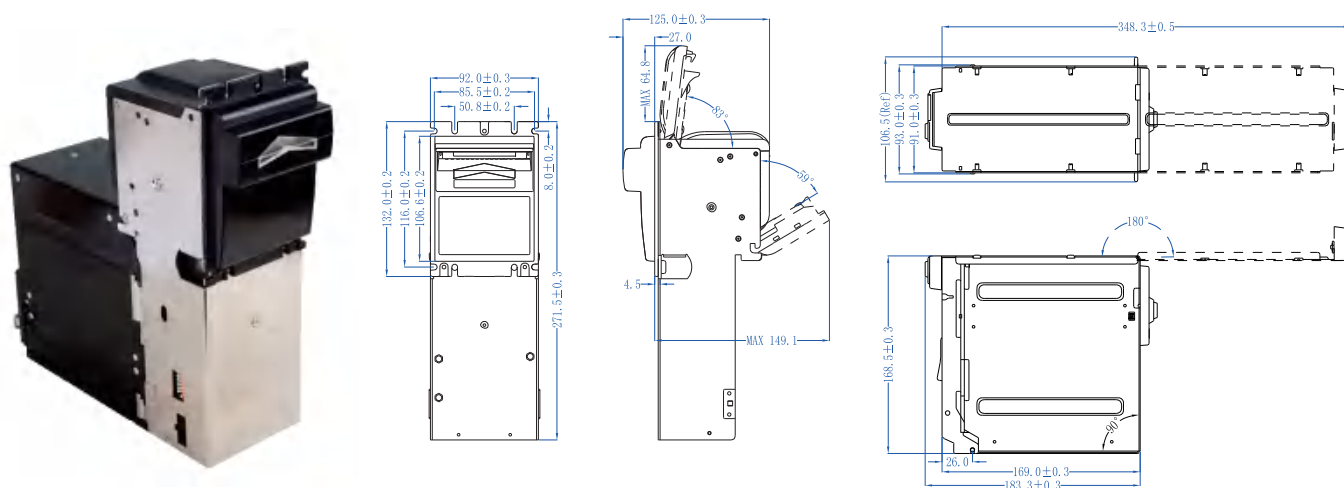
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Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications

性能指标

支持币种 / Currency Support	可定制 / Customized
钞箱容量 / Cassette Capacity	1000张 / Bills
纸币宽度 / Bill Width	最大 / Max 78mm
纸币长度 / Bill Length	最大 / Max 159mm
收钞速度 / Transaction Time	<3 秒 / Second
暂存 / Escrow	1张 / pc
入钞方式 / Bill Insertion	四面任意位置如钞 / Four-way
可靠度 / M.T.B.F	150万个循环 / 1500000 Cycles
接口 / Interface	接口 / Interface: RS-232 协议 / Protocol: CCNET(可定制 Customized) 波特率 / Baud Rate: 9600bps
软件升级方式 / Software Update	IAP在线下载 / Online IAP Download
操作系统 / Operating System	Windows 98, Me, 2K, XP, 2003, Vista and Linux
工作电压 / Power Supply	DC12V $\pm$ 5%
工作电流 / Current	<2A
工作温度 / Working Temperature	-40~+65°C
重量 / Weight	带钞箱 / With Cash-box 约3100g / Approx 3100g



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MT163

CARD COLLECTORS

收卡机



Overview

产品概述

MT163增强型收卡器采用大规模集成电路配合可靠结构设计而成,该产品专为自动收卡设计,具有高速度、高稳定性、高可靠性的特点,可广泛应用于停车场管理系统、自动售卡机、售票机、高速公路发卡系统、集中发卡、收卡设备等场合。

Based on reliable structure design and massive integrated circuit, MT163 specially supports automatic card collecting which function controlled card collecting and RF card operation. Transmitting power by stepper motor, properties with high speed, high stability, highly reliability and long working lifetime, MT163 can be widely used in parking management systems, automatic card vending machines, ticket vending machines, highway card dispenser systems, centralized card dispensing & collecting and other applications.

Features

产品特点

- 结构紧凑、安全性高、稳定性好
- 支持符合ISO14443 Type A和Type B标准的非接IC卡的操作(可选)
- 支持符合ISO14443标准的S50和S70(Mifare)卡的操作(可选)
- 采用步进电机传动,寿命超过200万次
- 前端常闭门设计,有效防灰尘和雨水
- 配多型号插卡口
- 多种通信方式,可根据客户需求定制
- Compact, with high reliability and durability
- Support contactless IC card (ISO14443 TYPE A & B)-optional
- Support S50 & S70 (Mifare) card (ISO14443)-optional
- With stepper motors and lifetime over 2,000,000 cycles.
- Designed with shutter, dust and water proof
- With multi bezel (optional)
- Various corresponding and custom design



MT163

Applications

应用

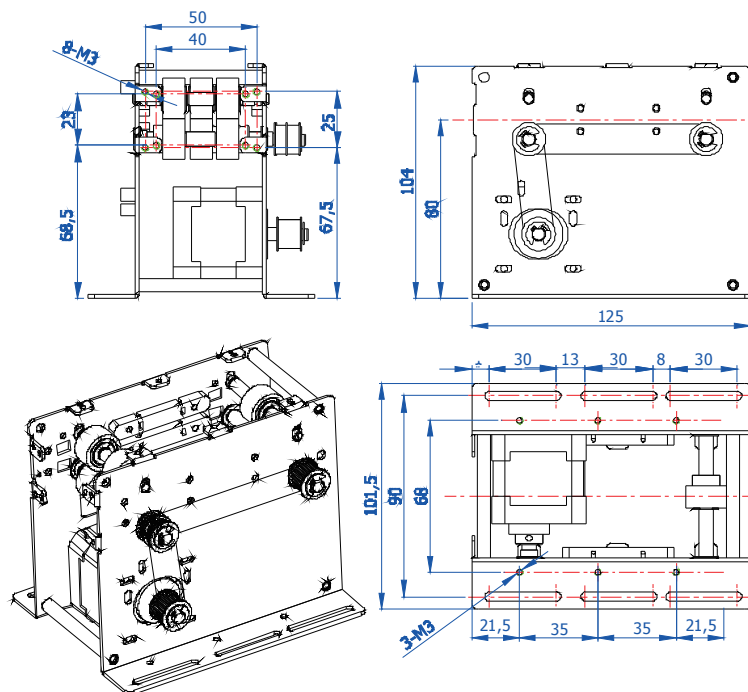
自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机

Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications

性能指标

支持卡类型 / Card Type	非接触式IC卡(可选) / Contactless IC Cards(Optional)	
卡片规格 / Card Specifications	尺寸 / Size: 54x86mm 厚度 / Thickness: 0.3-2.0mm	
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & Mifare	读/写(可选) / R/W(Optional)
发卡速率 / Card Dispensing Speed	>1张/秒 / >1pc/s	
使用寿命 / Lifetime	>200万次 / >2000000 Cycles	
接口 / Interface	RS232, I/O, TTL	
工作电压 / Power Supply	DC24V±5%	
工作电流 / Current	最大电流 / Max Current: 2A(24V)	
工作温度 / Working Temperature	-40~+65°C	
重量 / Weight	约825g / Approx 825g	
备注 / Remark	带档门及多种卡嘴(可选) With Sutter & Multi Bezel(Optional)	



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MT166

CARD COLLECTORS & DISPENSERS

收发卡机



Overview

产品概述

MT166 发(收)卡器采用大规模集成电路配合可靠结构设计而成,该产品专为自动发卡(收卡)设计,本款发卡器具有受控的发卡、回收卡功能、支持射频卡操作(可选),使用步进电机提供传动动力,具有高速度、高稳定性、高可靠性、长寿命的特点,可广泛应用于停车场管理系统、自动售卡机、售票机、高速公路发卡系统、集中发卡、收卡设备等场合。

Based on reliable structure design and massive integrated circuit, MT166 specially supports automatic card dispensing (collecting) which function controlled card dispensing & collecting and RF card operation. Transmitting power by stepper motor, properties with high speed, high stability, highly reliability and long working lifetime, MT166 can be widely used in parking management systems, automatic card vending machines, ticket vending machines, highway card dispenser systems, centralized card dispensing & collecting and other applications.

Features

产品特点

- 结构紧凑、安全性高、稳定性好
- 支持符合ISO14443 Type A和Type B标准的非接IC卡读写(可选)
- 支持符合ISO14443标准的S50和S70(Mifare)卡的操作(可选)
- 采用2个步进电机传动,寿命超过200万次
- 前端常闭门设计,有效防灰尘和雨水
- 卡片厚度可调节
- 储卡箱(可扩展)装载量 180 pcs/(卡厚: 0.8mm)
- 错误卡回收功能,卡少提醒功能
- 配多型号插卡口
- 多种通信方式,可根据客户需求定制
- Compact, high reliability and durability
- Support contactless IC card (ISO14443 TYPE A & B)-optional
- Support S50 & S70 (Mifare) card (ISO14443)-optional
- With two stepper motors and lifetime over 2 million cycles.
- Designed with shutter, dust and water proof
- Adjustable card thickness & dispensing speed
- Extension stackable cards hopper capacity: 180pcs (card thickness: 0.8mm)
- With error card recycling and card-low indication
- With multi bezel (optional)
- Various corresponding and custom design





MT166

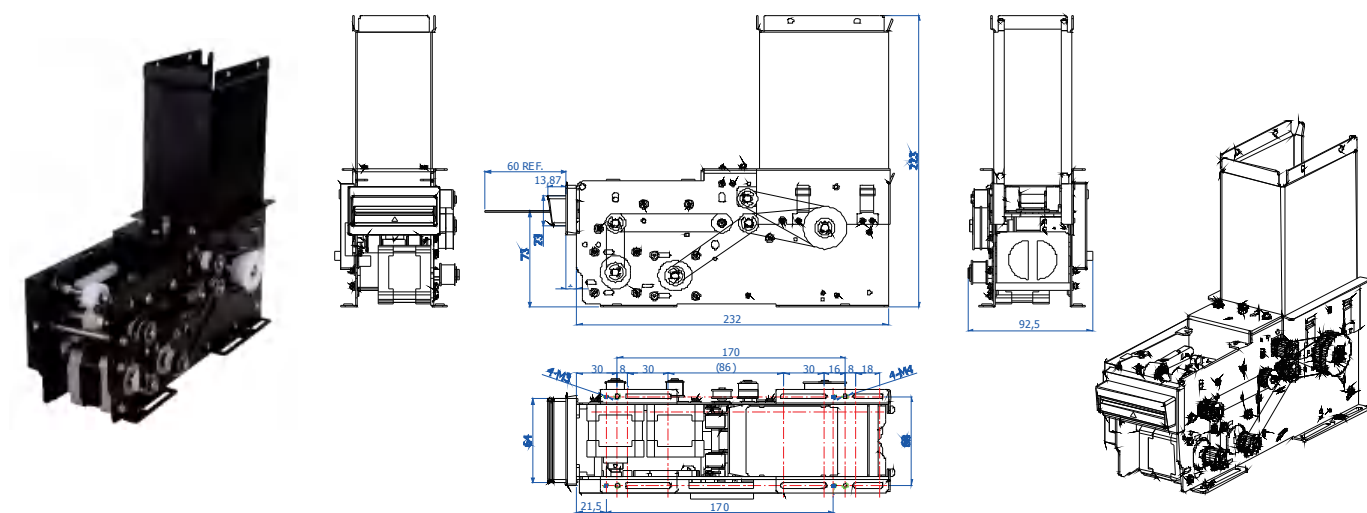


Applications 应用

自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机
Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications 性能指标

支持卡类型 / Card Type		非接触式IC卡(可选) / Contactless IC Cards(Optional)
卡片规格 / Card Specifications		尺寸 / Size: 54x86mm 厚度 / Thickness: 0.3-2.0mm
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & Mifare	读/写(可选) / R/W(Optional)
发卡速率 / Card Dispensing Speed		>1张/秒 / >1pc/s
回收箱容量 Card Recycling Hopper Capacity		>25张 / 25pcs
卡箱容量 / Card Hopper Capacity		180张 / 180pcs
使用寿命 / Lifetime		>200万次 >2000000 Cycles
接口 / Interface		RS232, I/O, TTL
工作电压 / Power Supply		DC24V $\pm$ 5%
工作电流 / Current		最大电流 / Max Current: 2A(24V)
工作温度 / Working Temperature		-40~+65°C
重量 / Weight		约2120g / Approx 2120g
备注 / Remark		带档门及多种卡嘴(可选) With Sutter & Multi Bezel(Optional)



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MT168

SIM CARD DISPENSERS

SIM卡发卡机

Overview

产品概述

MT168 是一款专为SIM卡读写、发行而设计的发卡器，为上游设备提供底层支持，通过通讯协议传输到应用设备，可应用于自动发售SIM卡等场合。

Mt168 is designed for SIM card reading & writing and dispensing. SDK (includes protocol) will be provided for self-service terminals software development. It is widely used for SIM card dispensing equipments and with following main features.

Features

产品特点

- 结构紧凑、安全性高、稳定性好
- 专为SIM卡读写发行设计
- 支持符合ISO7816标准的SIM卡的操作
- 带PC/SC模块，USB和RS-232接口功能
- 储卡箱装载量 120 pcs./(卡厚: 0.76mm)
- 错误卡回收功能，卡少提醒功能
- 多种通信方式，可根据客户需求定制
- Compact, high reliability and durability
- Designed for SIM card reading & writing
- Support SIM card (ISO7816)
- With PC/SC, USB & RS-232 interface
- Cards hopper capacity: 120pcs (card thickness: 0.76mm)
- With error card recycling and card-low indication
- Various corresponding and custom design





MT168



Applications

应用

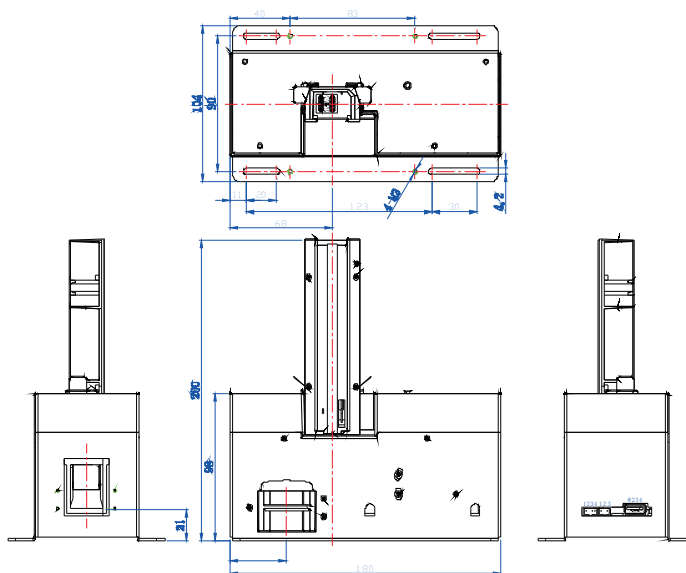
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Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines

Specifications

性能指标

支持卡类型 / Card Type		SIM卡 / SIM Card
卡片规格 / Card Specifications		尺寸 / Size: 25x15mm 厚度 / Thickness: 0.76mm
IC卡 / IC Card	SIM卡 / SIM Card	读、写 / R, W
	EMV	符合Level 1 / Level 1 Compliant
发卡速率 / Card Dispensing Speed		>1张/秒 / >1pc/s
回收箱容量 Card Recycling Hopper Capacity		18-22张 / 18-22pcs
卡箱容量 / Card Hopper Capacity		120张 / 120pcs
使用寿命 / Lifetime		>50万次 / >500000 Cycles
接口 / Interface		RS-232 & USB
工作电压 / Power Supply		DC24V $\pm$ 5%
工作电流 / Current		最大电流 / Max Current: 1.5A(24V)
工作温度 / Working Temperature		-40~+50°C
重量 / Weight		约1000g / Approx 1000g
备注 / Remark		支持IAP在线下载 Support Online IAP Download



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MT318-219

STANDALONE CARD READERS

通用读卡器



Overview

产品概述

铭特通用读卡器MT318-219支持读写ISO7816智能IC卡及ISO14443A类及B类非接触式IC卡。该产品支持手动进卡，卡操作完成后电动弹卡。该产品在多种领域中得到广泛的应用，包括自助终端机、加油机、加气机、停车场系统、自助售票机、自动售货机、电动汽车充电桩及身份认证终端等。

MINGTE's standalone card reader MT318-219 can read & write ISO7816 smart cards and ISO14443 Type A & B contactless IC card. It supports manual card insertion with automatic card ejection function after operation. It excels in various fields, including Kiosk Terminals, Fuel Dispensers, CNG Dispensers, Parking Systems, Ticketing Machines, Vending Machines, Electric Vehicle Charging Points and ID Terminals etc.

Features

产品特点

- 外形美观大方、安全性高、稳定性好
- 立式设计，便于单手在营业网点或柜台发卡、充值、查询使用
- 支持符合ISO14443 Type A和Type B标准的非接IC卡操作
- 支持符合ISO14443标准的S50和S70(Mifare)卡的操作
- 支持符合ISO7816标准的接触式IC卡的操作
- 支持符合ISO7816标准的PSAM卡的操作
- 一个SAM卡槽
- 非接触式IC卡既可插入卡机内操作，也可放到外部操作
- 配套ESAM转接板可发行ESAM安全认证模块
- 可根据用户需求兼容南方电网充电桩或国家电网充电桩应用流程
- Elegant, high reliability and durability
- Standalone design, easy for card dispensing, recharging and query
- Support contactless IC card (ISO14443 TYPE A & B)
- Support S50 & S70 (Mifare) card (ISO14443)
- Support contact IC card (ISO7816)
- Support PSAM & ESAM card (ISO7816)
- Supplied with 1 SAM card slot
- Contactless IC card operation by insertion or near field
- With adapter for ESAM issuing
- Customized for compatibility with application flow of charging points from China Southern Power Grid or State Grid





Applications

应用

自助终端机 / 加油机 / 加气机 / 停车场系统 / 自助售票机 / 自动售货机 / 电动汽车充电桩 / 身份认证终端
Kiosk Terminals / Fuel Dispensers / CNG Dispensers / Parking Systems / Ticketing Machines / Vending Machines / Electric Vehicle Charging Points / ID Terminals

Specifications

性能指标

支持卡类型 / Card Type		接触式IC卡 / Contact IC Cards	非接触式IC卡 / Contactless IC Cards
IC卡 IC Card	SIM/PSAM/ESAM ISO 7816	读、写 / R, W	
	EMV	符合Level 1 / Level 1 Compliant	
非接触式卡(可选) Contactless IC Card (Optional)	ISO14443 Type A & B & MIFARE	读、写 / R, W	
读卡距离 / Card Reading Distance		≤5厘米 ≤5cm (与安装环境有关 Relevant to Installation Environment)	
接口 / Interface		RS-232/TTL(uart)/USB2.0	
波特率 / Baud Rate		9600bps	
天线 / Antenna		内置天线 / Internal Antenna	
外壳材料 / Enclosure Material		塑料外壳 / ABS Plastic	
工作频率 / Frequency		13.56MHz	
二次开发语言 Secondary Development Language		支持多种开发语言, 提供相应的例程 Support Multi Language and Offer Related Routines	
操作系统 / Operating System		Windows 98, Me, 2K, XP, 2003, Vista and Linux	
存储数据容量 / Storage Data Capacity		标准配置为2K字节 / 2K Bytes(Standard)	
状态显示 / Status Display		LED 指示灯指示电源或通讯状态 / LED Indication Light for Power & Communication Status	
工作电压 / Power Supply		DC5V ± 5%	
工作电流 / Current		静态电流 / Static Current: ≤25mA(5V)	最大电流 / Max Current: ≤120mA(5V)
工作温度 / Working Temperature		-40~+65°C	
重量 / Weight		约145g / Approx 145g	

