EMS INTEGRATORS

MP320-EI-RS232

13.56MHZ RFID MULTI-ISO / PKOC PROTOCOL READER

The MP310T-EI-RS232 from EMSi is a compact RFID reader/writer featuring an integrated antenna and driver, with a USB interface for seamless connectivity. It is engineered for logical access across enterprise and industrial environments, including fleet management, user enrollment, PC single sign-on, print control, KIOSK access, and operator authentication on factory floors.

The MP300-EI-RS232, also from EMSi, includes RS232 and Wiegand interfaces, making it well-suited for physical access control, fleet management systems, and a wide range of industrial applications.

Built with power efficiency in mind, the MP300-EI supports both low-power mode (0.9mA) and standard operating mode (170mA) with a 5V power supply. The configurable power modes allow for optimized energy consumption depending on the application.

In addition, the MP300-EI supports DLL and ActiveX control, enabling straightforward integration with development platforms such as VB.NET, C#, and other terminal programs.

Market Applications:

Keyless Entry for Electronic Access Control

System Login Verification

Attendance Timing Management

Pre-Payment Management
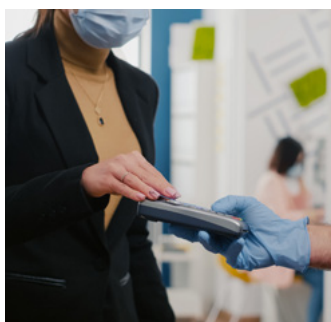
Ticket Management

E-Wallet Query and Top-up

Car Parking Prepay/ Voucher Management

Home Access Control & Security

Comprehensive Application: Logistics, Retail, Customer loyalty, Gambling-related

EMSi

…last mile integration

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- System login verification
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Specifications:

- Supports PKOC (Public Key Open Credential)
- FIDO Support for USB Interfaces
- Supported Interfaces
  USB 2.0 Full Speed
  – CCID Compliance
     Supports PC/SC
- Supported Protocols
  ISO14443A, all bit rates: up to 848 Kbps
  ISO15693, all modes
       Downlink 1 of 4 and 1 of 256
       Uplink 6.6/13/26/53 kbps with 1 & 2 sub-carrier
- 13.56 MHz Card Compatibilities
  ISO 14443A
  MIFARE™ Standard, MIFARE 4k, MIFARE Ultralight, MIFARE Ultralight C, MIFARE DESFire, MIFARE DESFire EV1, DESFire EV2, DESFire EV3
  ISO 14443B
  Smartcard ISO14443B, SRI4K, SRI512
  ISO 15693
  SIC5600, ICODE-SLI, ICODE-SLI-L, ICODE-SLIS
- Reads payWave and PayPass
- ISO7816 T=CL
- NFC TAG 1~4 supportive
- Read ISO18092 Felica & PICOPASS UID
  – Ultra small outline 78x42x15 mm
  – Information Support
  – Visual C# demonstration Software
  – Protocol Information
  – Plug-in fitting for 13.56Mhz
  – Normal Working Mode 170mA @5VDC
  – Firmware Update

15 mm deep

78 mm tall

42 mm wide

Features:

- Frequency: 13.56MHz
- Read/Write NFC 1~4 TAGs / ISO14443A / B / ISO15693
- High-speed data transmission
- Low power consumption 0.9 mA design for power saving
- Anti-collision
- Support multiple USB Interface (USB HID / CCID / PC/SC)

…last mile integration