EMS INTEGRATORS
MP310T-EI-USB

13.56MHZ RFID MULTI-ISO / PKOC PROTOCOL READER

EMSi's powerful USB RFID reader/writer packs a built-in antenna and driver into a sleek, plug-and-play design—perfect for seamless logical access across enterprise and industrial environments. From quick user enrollment and secure PC sign-ons to efficient print management, kiosk access, and operator authentication, it delivers fast, reliable performance right out of the box.

The MP310T-EI-USB easily connects to a wide range of equipment thanks to its support for the latest communication interfaces, including plug-and-play USB HID, CCID, and PC/SC. It's compatible with multiple operating systems like Windows, Linux, and Android, offering maximum flexibility. With ultra-low power consumption (0.9mA standby, 170mA active at 5V), its configurable working modes help optimize energy efficiency. Plus, with DLL support and ActiveX control, it's easy to integrate and control using popular programming environments like VB.NET, C#, and more.

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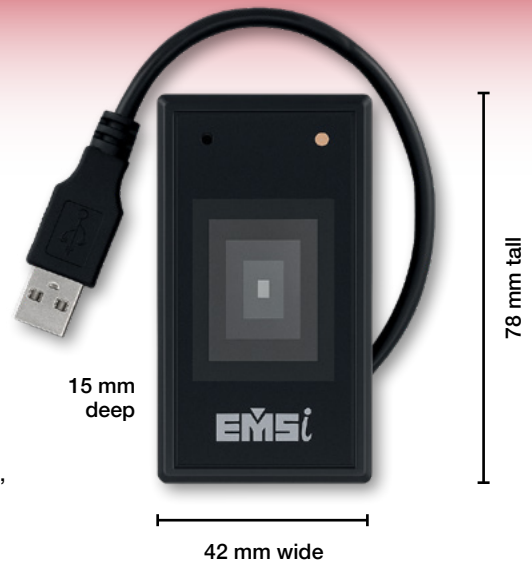- Comprehensive Application: Logistics, Retail, Customer loyalty, Gambling-related

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78 mm tall

15 mm deep

42 mm wide

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 Protocolsl
  SO14443A, all bit rates: up to 848 Kbp
  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

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)