

EMS INTEGRATORS

MP325T-EI-OSDP

**13.56MHZ RFID
MULTI-ISO /
PKOC PROTOCOL
READER**

EMSi MP300-EI-OSDP RFID Reader/Writer

The MP300-EI-OSDP from EMSi is a compact RFID reader/writer featuring a built-in antenna and driver, specifically designed to support OSDP (Open Supervised Device Protocol) interfaces for Physical Access Control (PAC) applications.

Engineered for energy efficiency, the MP300-EI offers configurable power modes—low-power standby (0.9mA) and standard operating mode (170mA) with a 5V power supply—allowing it to adapt to various application requirements while optimizing energy usage.

The device is easy to integrate and control, supporting both DLL and ActiveX controls. It is compatible with a wide range of development environments, including VB.NET, C#, and other terminal-based applications.

Market Applications:



PKOC Support



Keyless Entry for Electronic Access Control



System Login Verification



Attendance Timing Management



Pre-Payment Management



Ticket Management



E-Wallet Query and Top-up



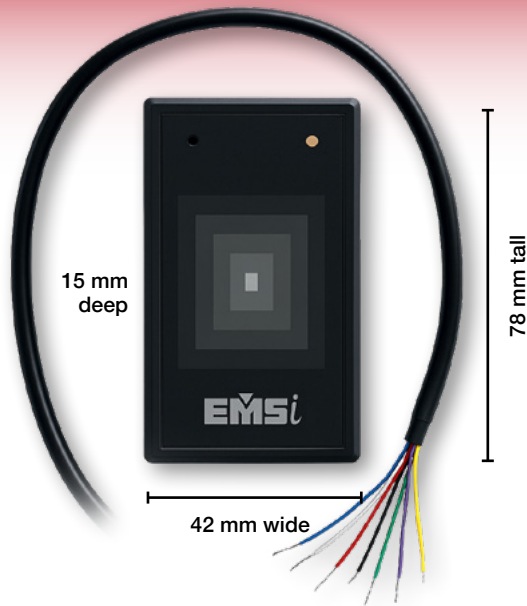
Car Parking Prepay/Voucher Management



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



Home Access Control & Security



SPECIFICATIONS:

Supported Interfaces:

- OSDP
- RS485
- Wiegand

Supported Protocols & Standards:

- ISO14443A (all bit rates, up to 848 Kbps)
- ISO14443B
- ISO15693 (all modes)
- ISO7816 T=CL
- ISO18092 (Felica & PICOPASS UID)
- NFC Tags 1–4
- Reads contactless payment cards: payWave, PayPass

Data Transmission:

- Downlink: 1 of 4 and 1 of 256
- Uplink: 6.6 / 13 / 26 / 53 kbps with 1 & 2 sub-carrier

Card Compatibility (13.56 MHz):

- ISO 14443A:
 - MIFARE™ Standard, 4k
 - MIFARE Ultralight, Ultralight C
 - MIFARE DESFire (EV1, EV2, EV3)
- ISO 14443B:
 - Smartcard ISO14443B
 - SRI4K, SRI512
- ISO 15693:
 - SIC5600
 - ICODE-SLI, SLI-L, SLIS
- Power & Performance:
 - Frequency: 13.56 MHz
 - Normal working mode: 170mA @ 5VDC
 - Low power mode: 0.9mA @ 5VDC (depends on interface)
 - Anti-collision functionality
- Physical Dimensions:
 - Ultra-compact: 78 x 42 x 15 mm

APPLICATIONS:

- PKOC support
- RFID keyless entry for electronic access control
- System login verification
- Attendance and time tracking
- Pre-payment management
- Ticketing systems
- Car parking prepay/voucher management
- E-wallet balance query and top-up
- Home access control and security
- Comprehensive applications in:
 - Logistics
 - Retail
 - Customer loyalty programs
 - Gambling-related systems
- FIDO support (USB interface)



ADDITIONAL FEATURES:

- High-speed data transmission
- Read/write support for NFC Tags 1–4, ISO14443A/B, ISO15693
- Plug-in fitting for 13.56 MHz systems
- Firmware updatable
- Visual C# demonstration software

