



Introduction

The **MP300-EI-OSDP** is an RFID reader/writer with an antenna and driver to support OSDP interfaces. It's designed for Physica Access Control (PAC) applications.

The **MP300-EI** supports lower power consumption (0.9mA) or normal working mode (170mA) in 5V power supply. The working mode is configurable to reach power saving purpose

The **MP300-EI** support the DLL and easy to control this module, The ActiveX Control can be using any terminal program (VB .NET, C#...etc.)

Applications:

- PKOC Support
- RFID KEYLESS entry for electronic
- Access Control
- System login verification
- Attendance timing management
- Pre-payment management
- Ticket management
- Car parking prepay/voucher management
- E-wallet query and top-up
- Home access control & security
- Comprehensive application: Logistics, Retail, Customer loyalty, Gambling-related
- Fido Support for USB Interface

※ **Specification is subject to change without notice.**

Specifications:

- **Supports PKOC (Public Key Open Credential)**
- **Supported Interfaces OSPD, RS485, Weigand)**
- **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
 - Low power, low profile for portable designed
 - Plug-in fitting for 13.56Mhz
 - Normal Working Mode 170mA @5VDC
 - Lower power mode 0.9mA@ 5VDC (depends on different Interface)
 - 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