Data Sheet | Controller

MicroEngine®
Integrated Security Systems

XP-M2300i/IP
2 Door IP Access Controller

▶ **Wiegand Interface**

▶ **Encrypted IP**

▶ **Device Discovery**

▶ **Global Antipassback Client**

▶ **Firmware Upgrade**

▶ **Door Interlocking**
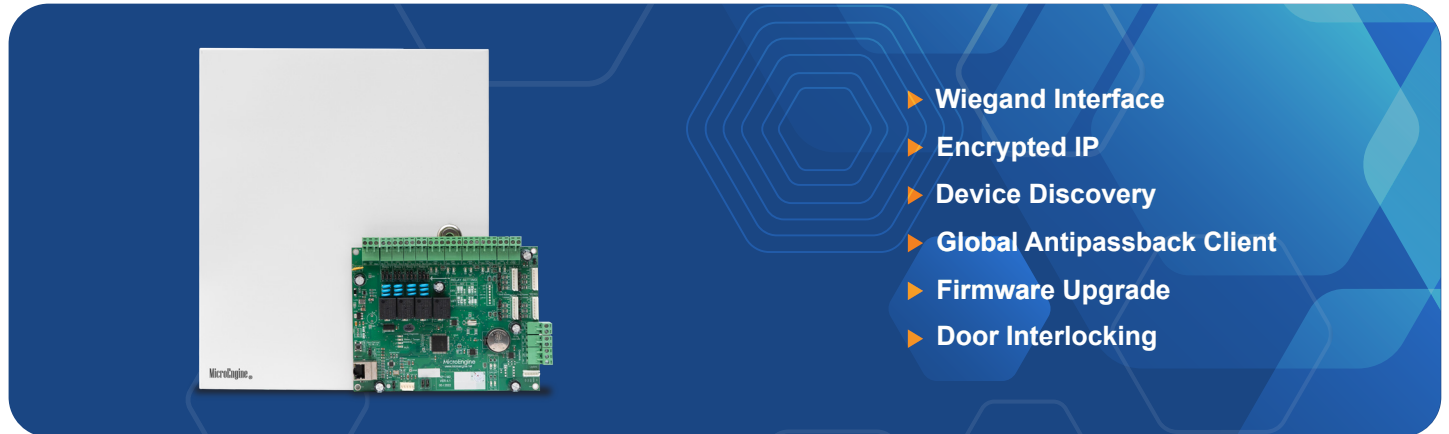
Product Description

The access controller unit is an intelligent unit with its own microprocessor and performs all access control functions without the need of interfacing with the host computer. XP-M2300i/IP is a 2 door IP access controller unit. This high capacity controller can perform better configurability and better security. It is designed to support 2 doors with maximum of 4 readers capability. This controller can be connected directly via IP LAN.

Product Features

■ **Wiegand Interface**
Support Wiegand interface for accessing card reader.

■ **Encrypted IP**
The XP-M2300i/IP controller shall built in with encrypted IP with 128 AES format.

■ **Device Discovery**
The feature allows the software to detect all devices connected within the IP network for configuration and installation

■ **Global Antipassback Client**
The XP-M2300i/IP Controller also able to interface as GAC Client.

■ **Firmware Upgrade**
Able to upgrade firmware through Software.

■ **Door Interlocking**
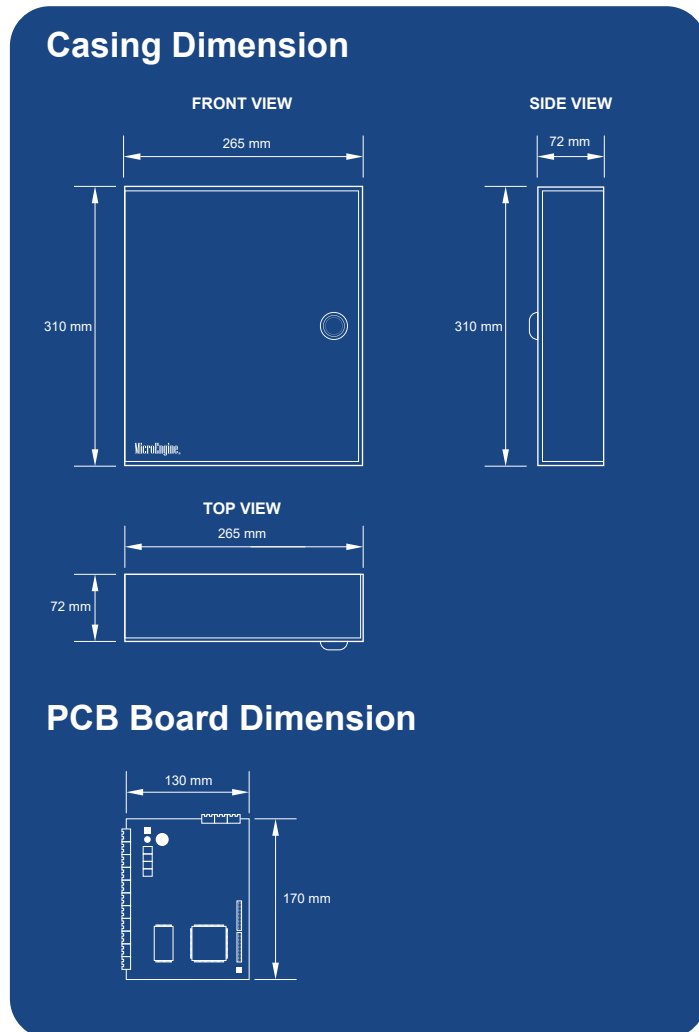2 In doors interlocking within the control panel, no external wiring is needed.

Product Specification

Card Holder Size	30,000 (Card Length: 16 Digits)
Max. Transaction Log	50,000
Connect to Software	TCP/IP: Optional: RS485 via XP-MK-UL10S
Connect to Reader	RS485 (PLATO Reader) (3rd Party Wiegand Reader)
PLATO Reader	Max 4 (PLATO Reader, 2 Entry & 2 Exit)
Wiegand Reader Port	Max 2 (Configurable)
Input(s)	2 Door Sensor + 2 Exit Button. 1 Dedicated Fire Alarm. 1 Dedicated Tamper Input. 5 General Purpose.
Output(s)	4, Configurable - Dry/Wet & NO/NC (Support Max 12VDC, 1A) 2 Dedicated Door Relay. 2 General Purpose Relay Output (Max 12VDC, 1A)
Real-Time Clock	With On-Board Battery
Power Fail Monitor	Yes
Processor	PIC32-bit RISC MCU at 80 Hz
Data Flash Memory	EEPROM:128 KB x 2, Flash 4 MB
Flash	512 KB
PCB Board Dimension	170 mm (L) x 130 mm (W)
Casing Dimension	310 mm (H) x 265 mm (W) x 72 mm (D)
Power Supply	Input: 240VAC, 1A Output: 13.8VDC, 2.8A (Max)
Power Consumption	Typically 12VDC, 150mA (Controller board only)

DISCLAIMER:- Specifications are subject to change without prior notice

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Product Dimension

Casing Dimension

FRONT VIEW

265 mm

310 mm

SIDE VIEW

72 mm

310 mm

TOP VIEW

265 mm

72 mm

PCB Board Dimension

130 mm

170 mm

Related Product

- XP-SNET-GAC/IPC
- PLATO-P80MS
- PLATO-P80KLS
- PLATO-S82
- PLATO-M82
- PLATO-K82
- XP-MK-UL10S
- MCI-XPC3000/s
- MCI-XPC3000
- MCI-XPC3500
- USB-XPNETHSV17

Ordering Information

XP-SNET-GAC/IPC
Master Controller For Global Anti-Passback. Switching power supply battery charger. 12AH Sealed Lead-Acid Rechargeable Battery.

PLATO-P80MS
Proximity Reader. 125 kHz EM. RS485. ABS Casing. MCMC Certified.

PLATO-P80KLS
Proximity Reader with Keypad & LCD. 125 kHz EM. RS485. Smart Touch Sense Keypad. Graphic LCD Display. ABS Casing. MCMC Certified.

PLATO-S82
MIFARE / CEPAS Contacless Reader. 13.56 MHz ISO14443A / B. RS485. ABS Casing. Small Size. MCMC Certified. (Replacement Model for PLATO-C80S)

PLATO-M82
MIFARE Classic / DESFire Advanced High Security Multi-Format 13.56 MHz ISO14443A / B. Encrypted RS485 - Read CSN and Encrypted Profile ID. ABS Casing. MCMC Certified. (Replacement Model for PLATO-RM80MS)

PLATO-K82
MIFARE Classic / DESFire Advanced High Security Multi-Format 13.56 MHz ISO14443A / B. Color Graphics LCD. Touch Sense Keypad. Encrypted RS485 - Read CSN and Encrypted Profile ID. ABS Casing. MCMC Certified. (Replacement Model for PLATO-RM80KLS)

XP-MK-UL10S
Uplink RS485 Adaptor

MCI-XPC3000/s
Standalone Software License Dongle xPortal3000

MCI-XPC3000
xPortal3000 Client / Server Software License

MCI-XPC3500
xPortal3500 Client / Server Software License Full edition, max 3 clients, max 64 controllers or 128 doors (whichever comes first)

USB-XPNETHSV17
xPortalNet v1.7 High Security Platform Server Edition Software License Dongle.