MicroEngine ®

Integrated Security Systems

M-Series IP Controllers

Better Configurability & Security

Encrypted IP . High Capacity . Sector Reading

XP-M2300i

M2300i
2 Door IP Access Controller

XP-M1300i

- Mifare Sector Reading
- Direct IP LAN - Push Based
- Global Antipassback
- High Capacity
- Supports Up to 16 Digits
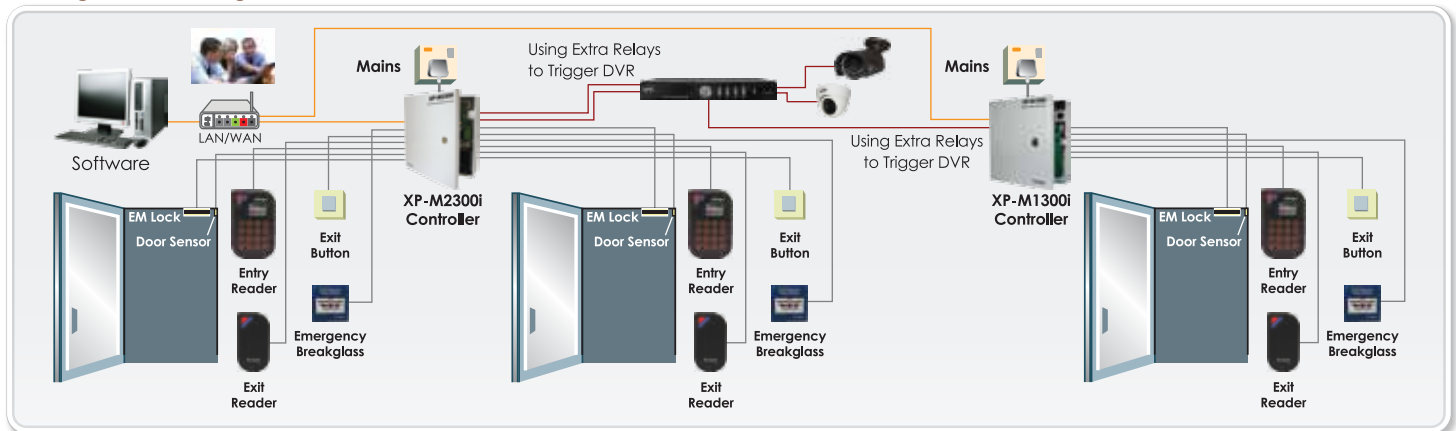
M1300i
1 Door IP Access Controller

Web Diagnostic

16D
ME xxxx xxxx xxxx

www.microengine.net

M-Series IP Controllers

No.	Feature	XP-M1300i	XP-M2300i
1	No. of Doors	1 Door	2 Doors
2	No. of Readers	Max 2 Readers (Plato Readers) - 1 Entry / 1 Exit	Max 4 Readers (Plato Readers) - 2 Entries / 2 Exits
3	Wiegand / ABA Reader	Yes - Max 2	
4	Connection to PC	IP LAN (10/100 Base-T) / RS485	
5	Connection to Reader	RS485 - Plato Reader Series / Wiegand/ABA	
6	Card Holders	30,000 (16 digits)	
7	Transactions	50,000	
8	Time Setting	255 Time set & 255 Time Zone (No Access Level Limits)	
9	Holiday	30 (2 Sets)	
10	Inputs	5 Supervised/Digital (Switchable) - 1 Door Sensor + 1 Exit Button, 1 Dedicated Fire Alarm Input, 2 Configurable as Reader Tamper, Emergency Breakglass Monitor or General Purpose	10 Supervised/Digital (Switchable) - 2 Door Sensors + 2 Exit Buttons, 1 Dedicated Fire Alarm Input, 5 Configurable as Reader Tamper, Emergency Breakglass Monitor or General Purpose
11	Door Relay Output(s)	1	2
12	Extra Relay Output(s)	Yes (1) - Configurable	Yes (2) - Configurable
13	Encrypted IP	Yes - AES 128	
14	Anti-Passback	Yes - Global Antipassback (Up to 16 Controllers)	
15	Real Time Clock	Yes - with On Board Battery	
16	IP Messaging	Encrypted with AES128 with dynamic key and supports Push Based	
17	Power Fail Monitor	Yes - with Power Level Monitoring	
18	Firmware Upgrade	Download from Software	
19	Diagnostic	Yes - Using Built-in Web Browser	
20	Mifare Sector Reading	Yes. Using Plato Reader.	
21	Onboard LED/Buzzer	Yes. LED: Input, Output, Run, Diagnostic, Error	
22	Use with other MicroEngine controllers	Yes	
23	Processor	Microchip PIC32 - 32-bit RISC MCU at 80 MHz	
24	Memory	Program (FLASH: 512KB); DATA (EEPROM: 256KB, FLASH: 4MB)	
25	PCB Board Dimension	160mm (L) x 80mm (W)	130mm (L) x 170mm (W)
26	Casing Dimension	235mm (H) x 227mm (W) x 75mm (D)	295mm (H) x 285mm (W) x 80mm (D)
27	Power Consumption	Typically 400 mA (Controller Board Only)	Typically 450 mA (Controller Board Only)

Configuration Diagram

Software

Mains

Using Extra Relays to Trigger DVR

Mains

Using Extra Relays to Trigger DVR

LAN/WAN

XP-M2300i Controller

XP-M1300i Controller

EM Lock
Door Sensor
Entry Reader
Exit Button
Emergency Breakglass
Exit Reader

EM Lock
Door Sensor
Entry Reader
Exit Button
Emergency Breakglass
Exit Reader

EM Lock
Door Sensor
Entry Reader
Exit Button
Emergency Breakglass
Exit Reader

For enquiries, please contact:

Specifications subject to change without prior notice.

Plato Readers

Slim Card Reader

Model	Description
Plato-P80S	Proximity Reader
Plato-C80S	Mifare / CEPAS Reader*

Slim Card Reader with Touch Sense Keypad & Colour Graphic LCD

Model	Description
Plato-P80KLS	Proximity Reader
Plato-C80KLS	Mifare / CEPAS Reader*

*Plato Mifare Reader supports Sector Reading

CE

Softwares

xPortal3000   Simple Time Attendance
xPortalNet   Client/Server with SQL Server
xPortalWeb   Web based

REG No. 749921389