


## XP-SNET/IPC

### IP Based Multi-Door Integrated Security Controller



- ▶ **Modular System - Extension Board Base**
- ▶ **Centralised Connection**
- ▶ **Configurable to Distributed Architecture**
- ▶ **Supports Door, Lift, Alarm Monitoring**
- ▶ **32-bit ARM Processor**
- ▶ **Onboard IP with Encryption**
- ▶ **Remote Firmware Download**

### Product Description

XP-SNET/IPC Controller is a IP based multi-door integrated security controller designed with proven high capacity and better security. The XP-SNET/IPC Controller is built in with Encrypted IP contains all the intelligence and necessary inputs/outputs to manage integrated system. It is designed to support door access control, car park access control, lift access control and alarm monitoring.

### Product Features

#### ■ **Modular System - Extension Board Base**

- The system is designed to allow extension of capacity by simply adding extension boards onto it. This gives the cost advantage when implementing minor capacity upgrades. Moreover, the extension board based design provides a consistent architecture in the system and this promotes better maintenance quality by reducing the system learning time.

#### ■ **Centralised Connection**

- The cables are terminated in the controller. This allows faster data processing as transfer of data are all done on board and the readers are directly connected to the controller.
- Centralised connection also promotes better deployment and maintenance quality. The engineers can perform the inspection and service all at one place and this can help to reduce the cost of maintenance operations.

#### ■ **Configurable to Distributed Architecture**

- Where remote interfacing of door / reader or I/O are required, the controller supports these remote

interfacing modules (RIM) that connect to the controller using RS485.

- This is a flexible and powerful controller capability that gives you the benefit of both useful centralised and distributed architecture in one box.

#### ■ **Supports Door, Lift, Alarm Monitoring**

- The controller has been built for high-end integrated security applications. It can supports door access control, car park access control, lift access control and alarm monitoring.
- You can configure the capacity of the system by adding extension boards or remote interfacing modules.

#### ■ **32-bit ARM Processor**

- The controller uses the 32-bit ARM RISC dual-core processor at 72MHz. This is a powerful processor for industrial applications and it enables the system to process the complex applications in real-time manner.

#### ■ **Onboard IP with Encryption**

- The controller is equipped with LAN connectivity at 10/100 Base-T using TCP/IP protocol.
- It supports push based communication to computer for faster data transfer speed.
- The IP communication is encrypted using industrial standard AES128 for secured communication.

#### ■ **Remote Firmware Download**

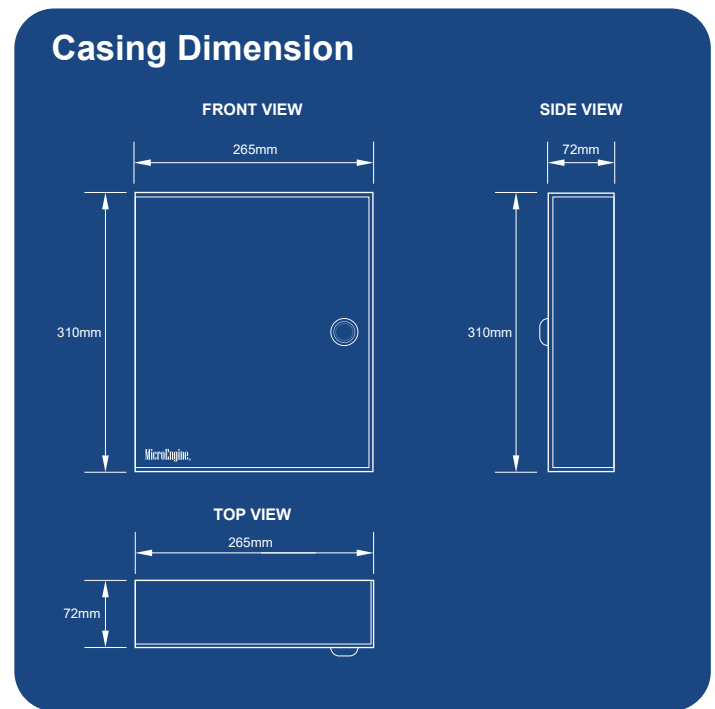
- Firmware can be downloaded from the application software via the IP interface.
- This helps to improve the maintainability of the controller at site. You can update or upgrade the firmware from the computer at site without needing to open the controller box or bring the controller back for service.

# Data Sheet | Controller

## Product Specification

Card Holder Size	50,000 (Card Length: 16 Digits)
Max. Transactions Log	100,000
Connect to Software	TCP/IP; Optional: RS485 via XP-UL10S
Connect to Reader	Serial RS485 (ME Proprietary Protocol) via Remote Interface Module: XP-MK800E- Max 10. PLATO Reader - Max. 20 (10 Entry & 10 Exit) Via XP-MK800E. 3rd Party Weigand Reader - Max. 20 (10 Entry & 10 Exit) Via MK800E.
Support Remote Interface Module	Yes, Serial RS485 (ME Proprietary Encryption) Door Interface Module: Remote Interface Module (XP-MK800E). I/O Interface Module: 32 Relay Output Board: XP-SNET-E32R. 24 Supervised Input & 8 Relay Output Board: XP-SNET-E248 Max. Remote Capacity: 10 Doors / 10 Lift / 128 Inputs / 128 Outputs / 128 Floors
Input(s)	1 Dedicated Fire Alarm 1 Dedicated Tamper Input
Relay Output(s)	No
Time Setting	255 Time Set & 255 Time Zone
Holiday Setting	30 x 1 Set
Door Accessibility	255
Floor Zone	255
Floor Accessibility	255
Global Antipassback	Yes
Interlocking	Yes
Alarm Monitoring Support	Yes
Real Time Clock	With On-Board Battery
Power Fail Monitor	Yes
Processor	ARM RISC Dual-Core Processor at 72 MHz
Data Flash Memory	EEPROM: 32 KB x 2, Flash: 64 MB x 2
RAM	2 MB
PCB Board Dimension	175mm (L) x 145mm (W)
Casing Dimension	310mm (H) x 267 mm (W) x 72mm (D)
Power Supply	Input: 240VAC, 1A Output: 13.8VDC, 2.8A (Max)
Power Consumption	Typically 12VDC, 180mA (Controller board only)

## Product Dimension



## Related Product

- ▶ XP-SNET5
- ▶ XP-SNET-GAC/IPC
- ▶ XP-MK800E
- ▶ XP-SNET-E32R
- ▶ XP-SNET-E248
- ▶ PLATO-P80MS
- ▶ PLATO-S82
- ▶ PLATO-M82
- ▶ PLATO-K82

**DISCLAIMER:** Specifications are subject to change without prior notice

# Data Sheet | Controller

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## Ordering Information

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**XP-SNET5**

5 Doors Ethernet Access Controller. 5 RS485 In/Out / 5 Weigand Reader Connection. 8 Relay & 16 Input. 50,000 Users, 100,000 Event Transactions. RS485 Communication & TCP/IP. Power Supply 10A, 12VDC & 12AH Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring.

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**XP-SNET-GAC/IPC**

Master Controller For Global Anti-Passback. Switching power supply battery charger. 7AH Sealed Lead-Acid Rechargeable Battery.

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**XP-MK800E**

Reader Interface ( for SNET version).

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**XP-SNET-E32R**

32 Relay Output Extension Board. RS485 Link (Power Fail Safe).

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**XP-SNET-E248**

24 Supervised Input & 8 Relay Output Extension Board. RS485 Link.

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**PLATO-P80MS**

Proximity Reader. 125 kHz EM. RS485. ABS Casing. MCMC Certified.

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**PLATO-S82**

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

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**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).

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**Plato-K82**

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

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