

XP-SNET5

IP Based Multi-Door Integrated Security Controller



Product Description

XP-SNET5 Controller is a IP based multi-door integrated security controller designed with proven high capacity and better security. The XP-SNET5 Controller is built in with Encrypted IP contains all the intelligence and necessary inputs / outputs to manage integrated system applications. It can supports 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 72 MHz. 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.

Data Sheet | Controller

Remote Firmware Download

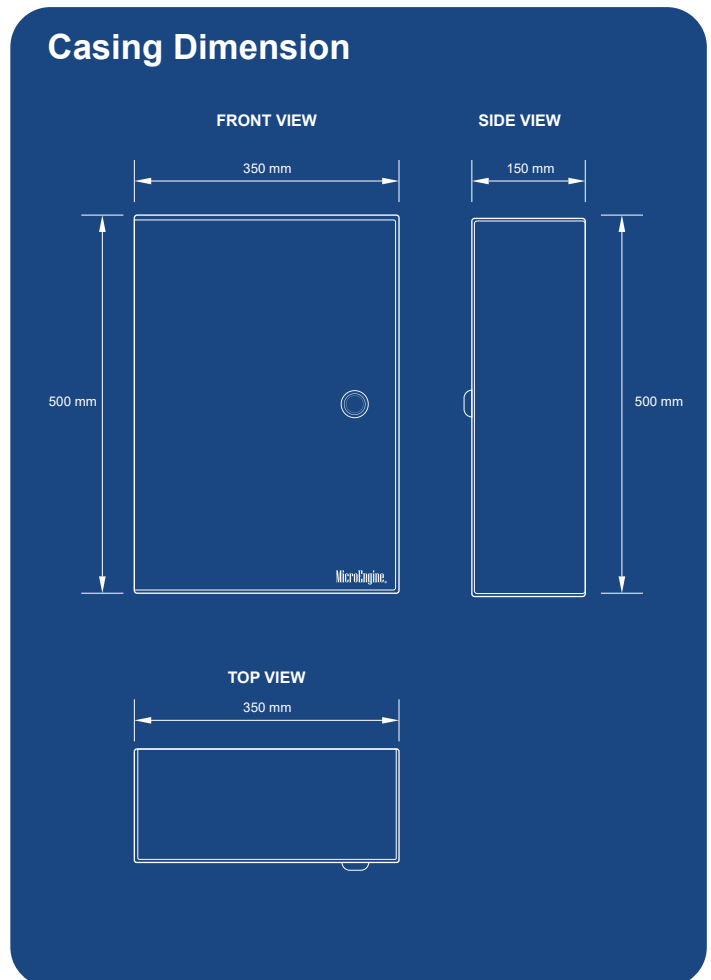
- Firmware can be downloaded from the application software via the IP interface.
- This helps to improve the maintainability of the controller at site. You can update or upgrade the firmware from the computer at site without needing to open the controller box or bring the controller back for service.

Product Specification

| | |
|---------------------------------|--|
| Max Door | 5 |
| Relay Output | 8 (8 for Door Relay + 3 General Purpose) Relay Rating : 1A |
| Sensor Input | 16 Supervised (As Door Status or General Purpose) |
| IP | Yes - LAN (10/100 Base-T) |
| IP Messaging Encryption | Yes - AES128 |
| Reader | -MicroEngine PLATO Readers Max 10 (5 Entry + 5 Exit). -Wiegand / ABA Readers: Max 5. |
| Comm Port | Yes -RS485 to Remote Interface Module. -RS485 to Extension Board with Output Mirroring. |
| Card number Length | Up to 16 Digits |
| Max Card Database | 50,000 |
| Max Transaction DB | 100,000 |
| Time Zone | 255 |
| Time Set | 255 |
| Floor Zone | 255 |
| Global Anti-Passback | Yes |
| Interlocking | Yes |
| Alarm Monitoring Support | Yes |
| Extension | <u>Up to 4 Extension Boards:</u> -SNet-E5D: 5 Door Extension Board. -SNet-E32R: 32 Relay Output Board. -SNet-E32S: 32 Supervised Input Board. -SNet-E248S: 24 Supervised Input & 8 Relay Output Board. <u>Max Extension Capacity:</u> -5 Doors / 128 Inputs / 128 Outputs. |
| Support Remote Interface Module | Yes - Use RS485 <u>Door Interface Unit (Max 10):</u> -MK800E Reader Interface. |
| Processor | ARM RISC Dual-Core Processor Processor at 72 MHz |
| ROM Memory | 512 KB |

| | |
|-------------------------------|-------------------------------------|
| Data Flash Memory | EEPROM: 32 KB x 2, Flash: 64 MB x 2 |
| RAM | 2 MB (SRAM) |
| Dimensions | 500 mm(H) x 350 mm(W) x 150 mm(D) |
| Casing Material | Mild Steel |
| Weight | 12kg |
| Power Requirement | 12V @ 500mA (Base Board Only) |
| Controller Package PSU | |
| Input Supply | 230VAC 50 / 60 Hz |
| DC Power Supply | 12VDC @ 5A |
| Battery Backup | 12AH Sealed lead acid |

Product Dimension



Data Sheet | Controller

Related Product

- ▶ XP-SNET5
- ▶ XP-MK800E
- ▶ XP-SNET-E32R
- ▶ XP-SNET-E248
- ▶ PLATO-P80MS
- ▶ PLATO-P80KLS
- ▶ PLATO-S82
- ▶ PLATO-M82
- ▶ PLATO-K82

Ordering Information

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

XP-MK800E

Reader Interface (for SNET version).

XP-SNET-E32R

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

XP-SNET E248

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

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 Contactless 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).
