

## Data Sheet | Controller

### XP-Q1200i-SE

### 1 Door IP Access Controller



#### Product Description

The XP-Q1200i-SE Controller is a single door encrypted IP DESFire QR access controller presented in DIN Rail form factor. It is equipped with technology supporting MIFARE DESFire EV2, EV3 and Dynamic QR Code access methods. The XP-Q1200i-SE ensures high-level security during all the stage of the data communication by offering strong encryption algorithms, includes Triple DES (3DES), 3KDES, and AES. The QR Code is encrypted with MicroEngine's proprietary encryption. The XP-Q1200i-SE controller also supports RFID chips with UID of up to 64 bits and maintains backward compatibility with MIFARE DESFire EV1. Additionally, it comes equipped with all the intelligence and necessary inputs/outputs to manage access to a single door.

#### Product Features

- DESFire Support**  
 DESFire card encryption with secure algorithms selection of Triple DES (3DES), 3KDES & AES.
- Support 64 bit Card ID**  
 64 bit / 20 card ID is created using advanced encryption built in to MIFARE DESFire card.
- Dual ID Matching**  
 The controller track both CSN and Card ID to ensure the card matches the full record.
- Support MicroEngine Mobile Access Apps**  
 Support MicroEngine Mobile Access App's Dynamic QR code.
- Support QR Code Reader**  
 Support MicroEngine PLATO-Q82 QR Code / DESFire reader.

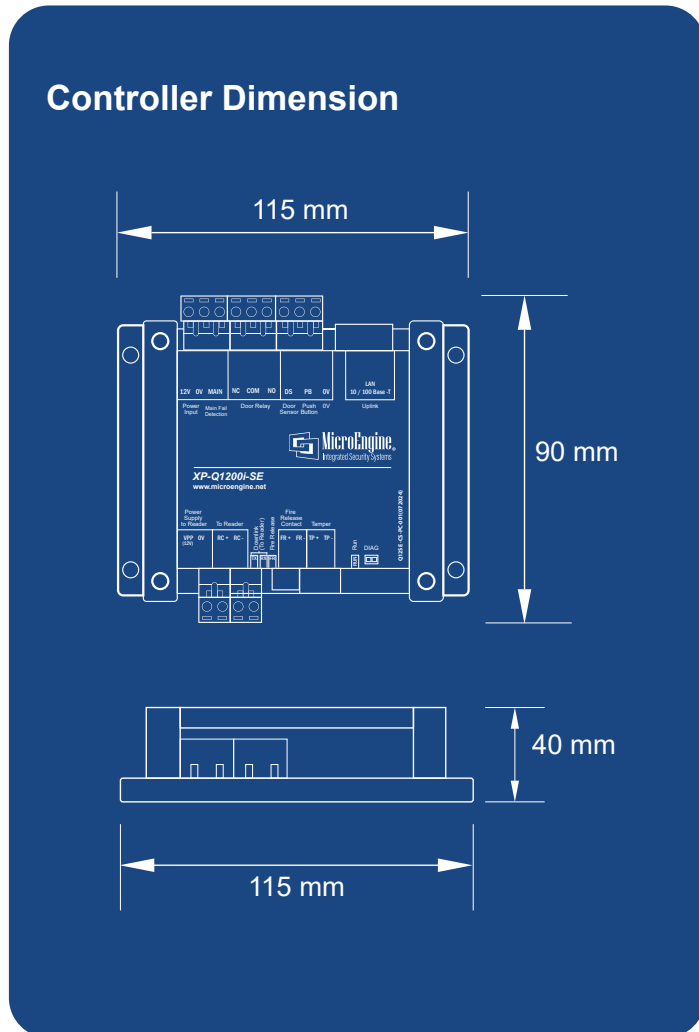
#### Product Specification

Card Holder Size	20,000 (Card Length: 20 Digits)
Max Transactions Log	50,000
Connect to Software	TCP/IP
Connect to Reader	Max. 2 (PLATO Reader, 1 Entry & 1 Exit)
Input(s)	4 1 Door Sensor + 1 Exit Button 1 Dedicated Fire Alarm 1 Dedicated Tamper Input
Output(s)	Yes, (1) support 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
DIN-Rail Casing Dimension	115 mm (H) x 106 mm (W) x 40 mm (D)
Casing Dimension (MP-340)	267 mm (H) x 310 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)

\* MIFARE and DESFire are reserved properties of NXP Semiconductor Austria GmbH Styria

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## Product Dimension



## Related Product

- ▶ XP-QNET-GAC/IPC
- ▶ PLATO-Q82
- ▶ PLATO-M82
- ▶ PLATO-K82
- ▶ USB-XPNETHSV2.0PS
- ▶ MKEY-XPNETHSV2.0PS

## Ordering Information

### XP-QNET-GAC/IPC

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

### PLATO-Q82

QR Code and MIFARE Classic / DESFire Multiple Card Format 13.56 MHz. Encrypted RS485 - Read CSN and Encrypted Profile ID . ABS Casing. MCMC Certified. (Replacement Model for PLATOQ81MS).

### 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 Gaphics LCD. Touch sense Keypad. Encrypted RS485 - Read CSN and Encrypted Profile ID. ABS Casing. MCMC Certified. (Replacement Model for Plato-RM82KLS)

### USB-XPNETHSV2.0PS

xPortalNet HS PS v2.0 Software License Dongle

### MKEY-XPNETHSV2.0PS

xPortalNet HS PS v2.0 Software Machine Key