Data Sheet | Controller

XP-Q1200/IP
Encrypted IP DESFire/QR Access Single Door Controller

- ▶ **DESFire Support**
- ▶ **Support 64 bit Card ID**
- ▶ **Dual ID Matching**
- ▶ **Support MicroEngine Mobile Access App**
- ▶ **Support QR Code Reader**
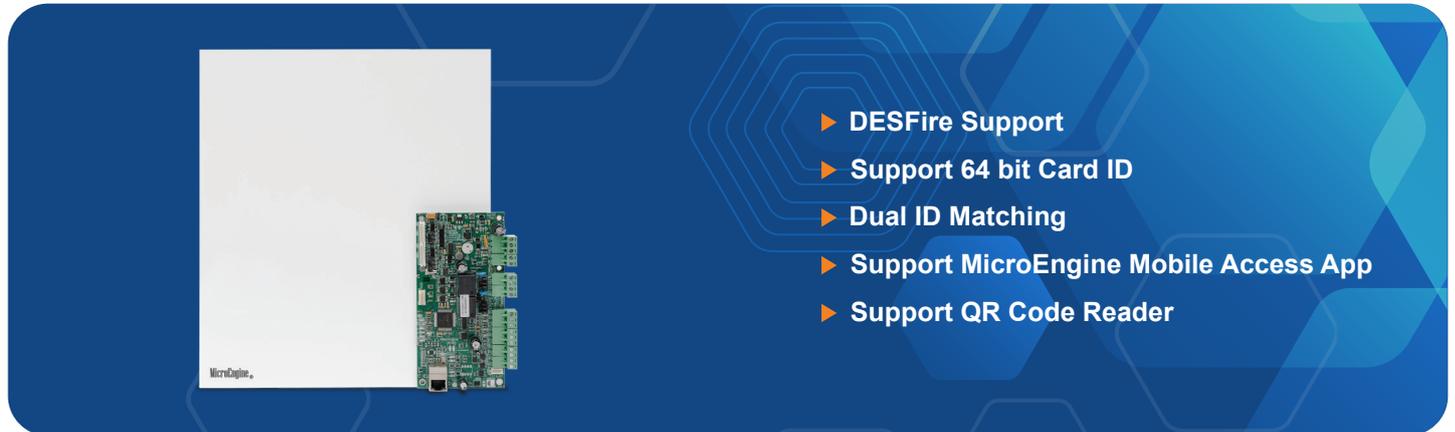
Product Description

XP-Q1200/IP controller is single door encrypted IP DESFire QR access controller that supports the latest contactless access control technologies – MIFARE DESFire EV2, EV3 and Dynamic QR Code. XP-Q1200/IP offers the highest security measure in access control system with encrypted data communication from start to finish using the very secure algorithms of Triple DES (3DES), 3KDES & AES. The QR Code is encrypted with MicroEngine's proprietary encryption. The XP-Q1200/IP controller also provides the highest security control in access control system as it supports the RFID chips with UID up to 64-bits. This high capacity controller is backward compatible with MIFARE DESFire EV1.

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 digits card ID is created using advanced encryption built in to the 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 Apps's Dynamic QR code.

- **Support QR Code Reader**
  Support MicroEngine PLATO - Q82 QR Code / DESFire EV1 and DESFire EV2, EV3 reader.
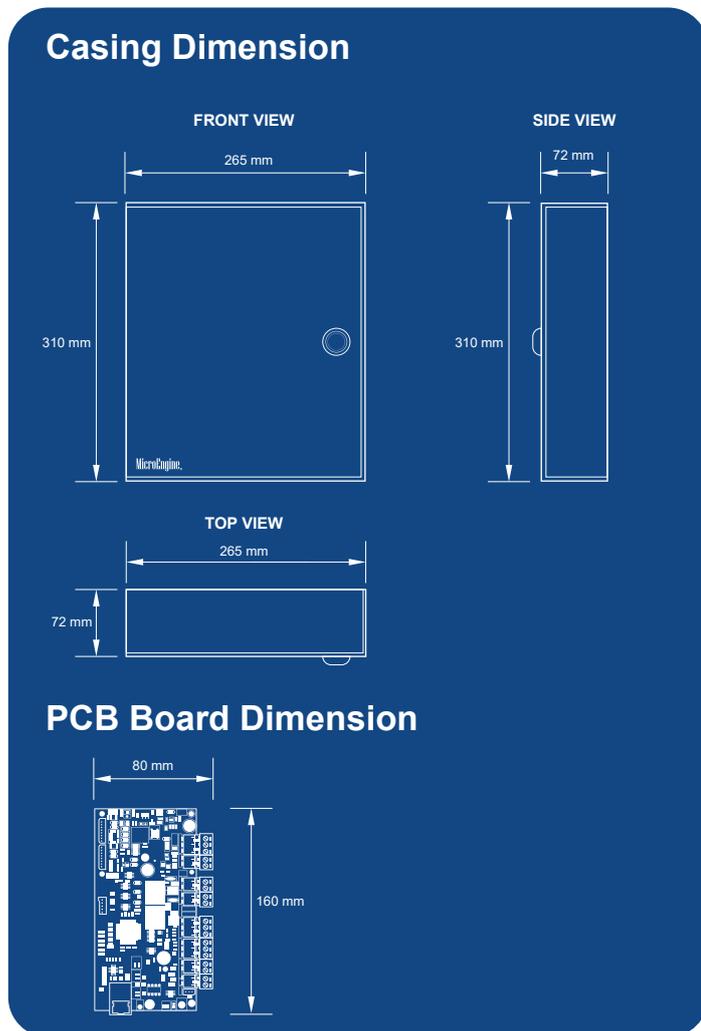
Product Specification

Card Holder Size	20,000 (Card Length: 20 Digits)
Max Transactions Log	50,000
Connect to Software	TCP/IP
Connect to Reader	RS485 (PLATO Reader) Weigand / ABA Port
Reader	PLATO Reader (1 Entry & 1 Exit) : Max 2 Weigand / ABA Readers: Max 2
Input(s)	1 Door Sensor + 1 Exit Button 1 Dedicated Fire Alarm Input 1 Dedicated Tamper Input 2 General Purpose Inputs
Output(s)	Configurable-Dry/Wet & NO/NC (Support Max 12VDC, 1A) 1 Dedicated Door Relay 1 General Output Relay
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	160 mm (L) x 80 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

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

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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

80 mm

160 mm

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 Classis / DESFire Multiple Card Format 13.56 MHz. Encrypted RS485 - Read CSN and Encrypted Profile ID . ABS Casing. MCMC Certified. (Replacement Model for PLATO-Q81MS).

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)

USB-XPNETHSV20PS
xPortalNet HS PS v2.0 Software License Dongle

MKEY-XPNETHSv2.0PS
xPortalNet HS PS v2.0 Software Machine Key

Related Product

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