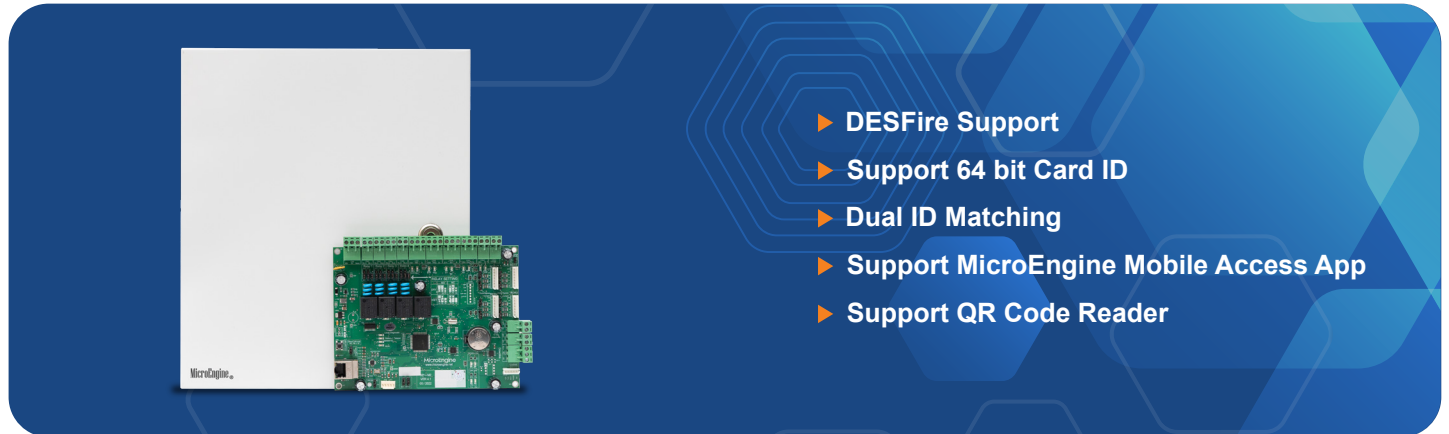


## XP-Q2200/IP

### Encrypted IP DESFire/QR Access Dual Door Controller



#### Product Description

XP-Q2200/IP controller is 2 door encrypted IP DESFire QR access controller that supports the latest contactless access control technologies – MIFARE DESFire EV2, EV3 and Dynamic QR Code. XP-Q2200/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-Q2200/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 App**  
 Support MicroEngine Mobile Access Apps’s Dynamic QR code.
- Support QR Code Reader**  
 Support MicroEngine PLATO - Q82 QR Code / MIFARE DESFire EV1 and MIFARE DESFire EV2, EV3 reader.

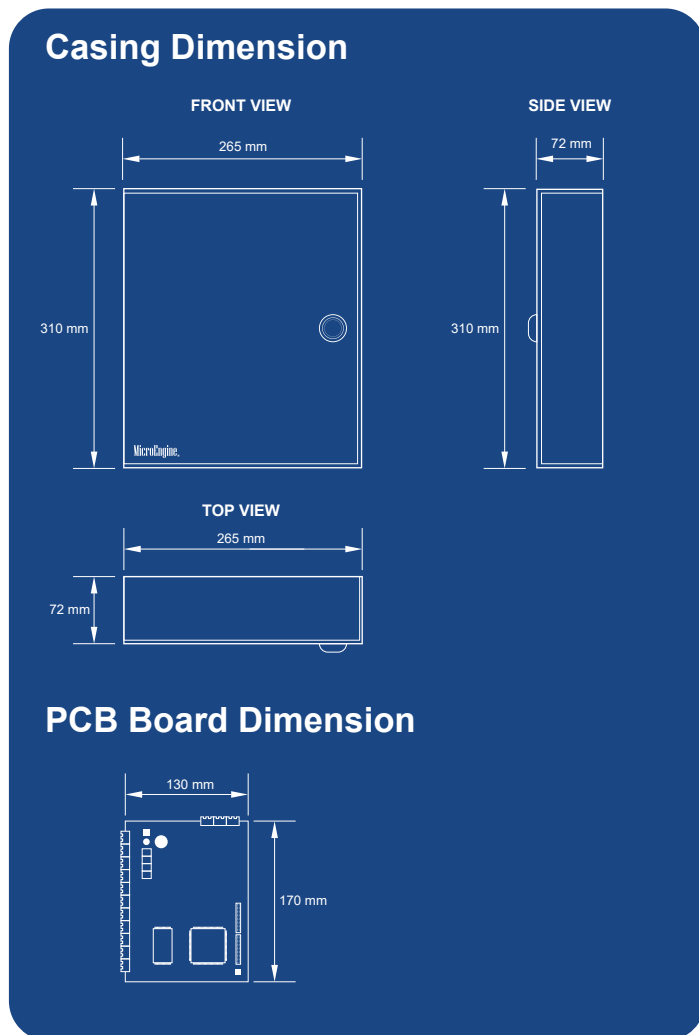
#### Product Specification

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)
PLATO Reader	Max 4 (PLATO Reader, 2 Entry & 2 Exit)
Wiegand Reader Port	Max 2
Input(s)	2 Door Sensor + 2 Exit Button 1 Dedicated Fire Alarm Input 1 Dedicated Tamper Input 5 General Purpose Input
Output(s)	4, Configurable-Dry/Wet & NO/NC (Support Max 12VDC, 1A) 2 Dedicated Door Relay 2 General Relay Output (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 4MB
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 Styria

## Product Dimension



## Ordering Information

### XP-QNET-GAC/IPC

Master Controller For Q Series Global Anti-Passback. HENGFU switching power supply battery charger. 12AH Sealed Lead-Acid Rechargeable Battery. 05 Door IP Centralized Controller Board Only.

### 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 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