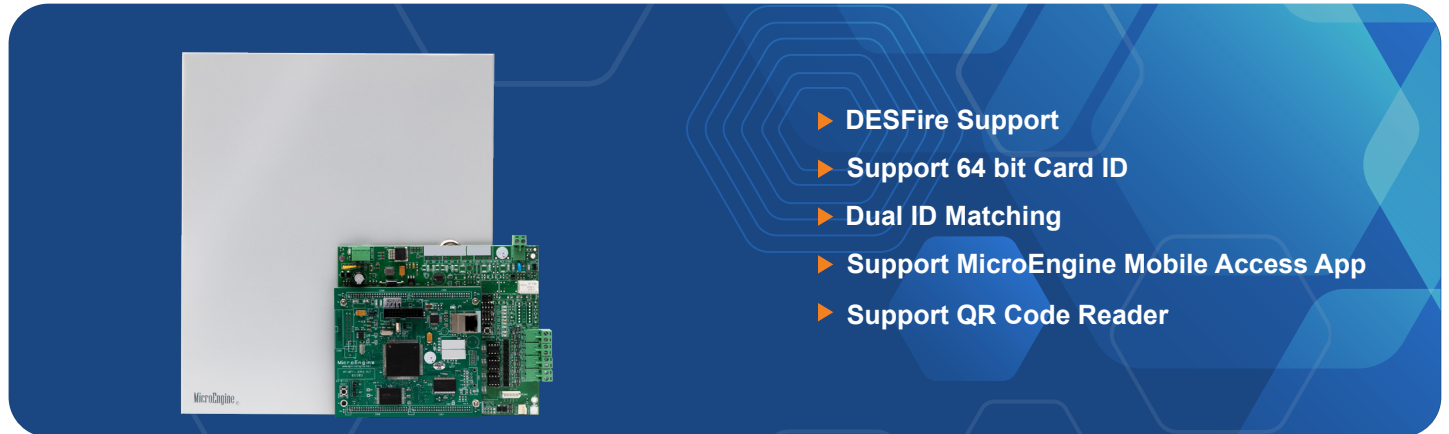


## XP-QNET/IPC

### Encrypted IP DESFire / QR Access Multi Function Controller



#### Product Description

XP-QNET/IPC Multi Function encrypted IP DESFire QR access controller that supports the latest contactless access control technologies – MIFARE DESFire EV2, EV3 and Dynamic QR Code. XP-QNET/IPC 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-QNET/IPC 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. XP-QNET/IPC support Door / Lift / Turnstile Access and Alarm Monitoring.

#### 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 App’s dynamic QR code.
- Support QR Code Reader**  
 Support MicroEngine PLATO-Q82 QR code / DESFire EV1 and DESFire EV2, EV3 reader.

#### Product Specification

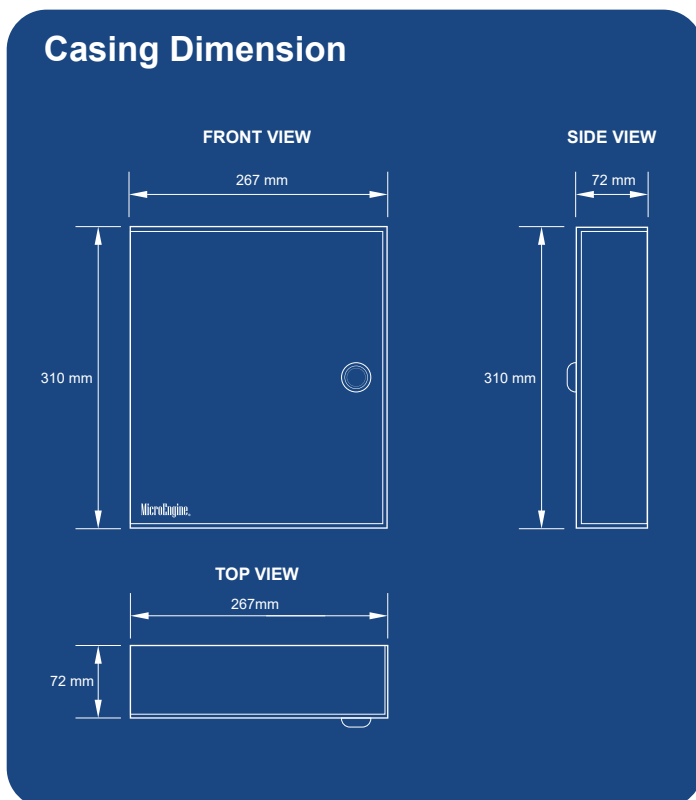
Card Holder Size	50,000 (Card Length: 20 Digits)
Max. Transactions Log	100,000
Connect to Software	TCP/IP
Connect to Reader	Serial RS485 (ME Proprietary Protocol) via Remote Interface Module: XP-MK820 - Max 20 for 10 Doors PLATO Reader - Max. 20 (10 Entry & 10 Exit) Via XP-MK800E. 3rd Party Weigand Reader - Max. 20 (10 Entry & 10 Exit)
Support Remote Interface Module	Yes, Serial RS485 (ME Proprietary Encryption) Door Interface Module: Remote Interface Module (XP-MK820). I/O Interface Module: 32 Relay Output Board: XP-SNET-E32R. 24 Supervised Input & 8 Relay Output Board: XP-SNET-E248 Max. 6 units for 128 Inputs / Outputs
Input(s)	2 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

# Data Sheet | Controller

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: 256 KB, Flash: 512 KB x 2
RAM	2 MB (SRAM)
PCB Board Dimension	175 mm (L) x 145 mm (W)
Casing Dimension	310 mm (H) x 267 mm (W) x 72 mm (D)
Power Supply	Input: 240VAC, 1A Output: 13.8VDC, 2.8A (Max)
Power Consumption	Typically 12VDC, 180mA (Controller board only)

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

## Product Dimension



## Related Product

- ▶ XP-MK820
- ▶ XP-SNET-E32R
- ▶ XP-SNET-E248
- ▶ PLATO-Q82
- ▶ USB-XPNET HS V2.0 PS
- ▶ MKEY-XPNETHSV2.0PS

## Ordering Information

### XP-MK820

Reader interface module for Proximity reader only. Use for multi door controller model : XP-QNET, XP-QNET/IPC

### 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-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)

### USB-XPNET HS V2.0 PS

xPortalNet HS PS v2.0 Software License Dongle

### USB-XPNET HS V2.0 STD

xPortalNet HS Standard v2.0 Software License Dongle