

## PLATO-Q82

### QR Code / MIFARE DESFire EV1 / MIFARE DESFire EV2 Reader



### Product Description

The PLATO-Q82 is a highly secure access control system reader that uses advanced technology to provide unparalleled protection. It is capable of reading secure data files in both MIFARE DESFire EV2 and Dynamic QR Code formats, and employs anti-cloning measures to ensure the highest level of security. With the ability to change QR codes every 3 seconds using a time-sensitive formula and industry-leading AES encryption technology, the PLATO-Q82 offers unparalleled security for all your access control needs.

### Product Features

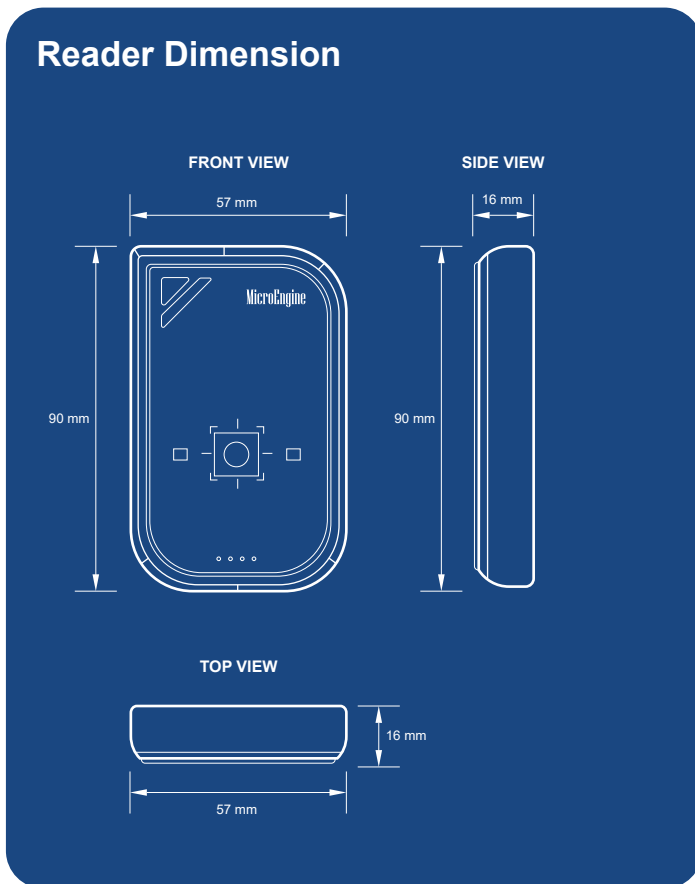
- High Security DESFire Data Card Reader**  
 MIFARE DESFire provides the most secure and practically unbreakable 128 bit encryptions. PLATO-Q82 is capable of reading the secure data file in the DESFire Card to utilize the card security feature correctly.
- Anti-Cloning using Dynamic QR**  
 New QR code is created every 3 seconds for the same ID using time-sensitive and industry-leading AES encryption technology.
- OnReader Dynamic QR Decryption**  
 Decryption of the QR code is done on the reader. You do not need to have network connections or cloud to operate, giving you maximum security availability.
- Support MicroEngine Mobile Access Apps**  
 Support MicroEngine Mobile Access Apps's Dynamic QR code.

### Product Specification

Connectivity	Serial RS485
RFID Frequency	13.56 MHz
Credential Compatibility	QR Code / MIFARE DESFire EV1 / EV2 MIFARE Classic / CEPAS
QR Code Supported	Dynamic & Static
QR ID	QR code - 20 digits (Encrypted)
QR Reading Range	5 cm to 15 cm
Card ID	MIFARE DESFire EV1/EV2 - (CID) - 20 digits / 64 bits + (CSN) - 17 digits MIFARE Sector Reading (CID) - 10 digits MIFARE Classic (CSN) - 20 digits CEPAS (CAN) - 16 digits
Card Reading Range	MIFARE DESFire EV2 (Max 2.5 cm) MIFARE DESFire EV1 (Max 2 cm) MIFARE Classic (Max 5 cm) CEPAS (Max 2 cm)
LED Indicator	Blue and Amber
Buzzer	Yes
Tamper Sensor	Yes
Keypad	No
LCD	No
Weather Proof	Yes, with Silicone
MCMC Certification	Yes
Processor	ESP32
Dimension (H x W x D)	90 mm x 57 mm x 16 mm
Power Consumption	12VDC, 160mA
Operating Temperature	15° - 50° Celsius
Casing Material	Polycarbonate (PC) with Acrylic Faceplate

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

## Product Dimension



## Related Product

- ▶ XP-QNET
- ▶ XP-QNET/IPC
- ▶ XP-Q1200/IP
- ▶ XP-Q2200/IP
- ▶ XP-MK820
- ▶ USB-XPNETSV2.0PS
- ▶ MKEY-XPORTALNETPSV15

## Ordering Information

### XP-QNET

5 Door Multi-Function IP DESFire QR Network Controller. HENGFU Switching Power Supply Battery Charger. Back Up Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring.

### XP-QNET/IPC

Multi-Function IP DESFire QR Network Controller. Switching Power Supply Battery Charger. Back Up Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring (MK820 Reader Interface Required).

### XP-Q1200/IP

1 Door Advanced Multi-Class MIFARE - DESFire & QR (Dynamic) Network Controller. High Security Dual ID Matching. Max.2 RS485 In & Out Readers/ 2 Weigand Reader Connection. Relay Outputs & 6 Inputs. 20,000 Users, 50,000 Event. Encrypted TCP/IP. Power Supply & Back Up Battery with Metal Enclosure.

### XP-Q2200/IP

2 Door Advanced Multi-Class MIFARE - DESFire & QR (Dynamic) Network Controller. High Security Dual ID Matching. Max 4 RS485, 2 In & 2 Out Readers / 2 Weigand Reader Connection. 4 Relay Outputs & 11 Inputs. 20,000 Users, 50,000 Event. Encrypted TCP/IP. Power Supply & Back Up Battery. Metal Enclosure.

### XP-MK820

Reader Interface Unit for QNET.

### USB-XPNETSV2.0PS

xPortalNet HS PS v2.0 Software License Dongle.

### MKEY-XPORTALNETPSV15

xPortalNet HS PS v2.0 Software Machine Key.