

## PLATO-Q82-CA

### QR Code / MIFARE DESFire EV1/EV2/EV3 Reader



### Product Description

The PLATO-Q82-CA 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 EV1/EV2/EV3 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-CA offers unparalleled security for all your access control needs.

### Product Features

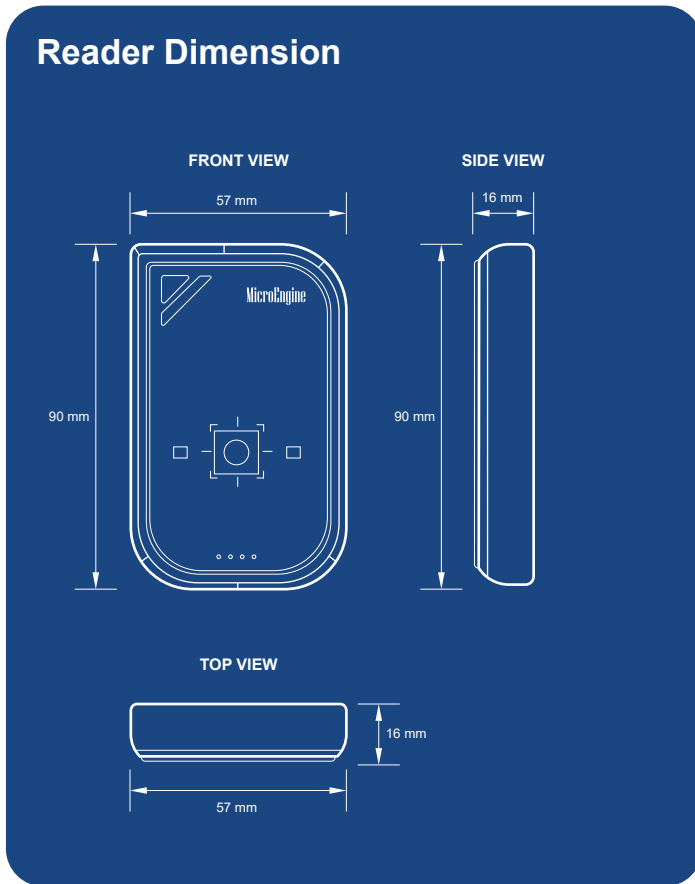
- High Security DESFire Data Card Reader**  
 MIFARE DESFire provides the most secure and practically unbreakable 128 bit encryptions. PLATO-Q82-CA is capable of reading the secure data file in the DESFire Card to utilize the card security feature correctly.
- Anti-Cloning using Dynamic QR**  
 New QR 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/EV3 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/EV3 - (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 EV3 (Max 2.5 cm) 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, 120mA
Operating Temperature	15° - 50° Celsius
Casing Material	Polycarbonate (PC) with Acrylic Faceplate

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

## Product Dimension



## Related Product

- ▶ XP-Q1300i-CA25
- ▶ XP-Q2300iCA-CP
- ▶ XP-M4L-CA25
- ▶ XP-QNET-GAC-CA
- ▶ xPortalNetHSv2.0PS-CA

## Ordering Information

### XP-Q1300i-CA25

1 Door Network Controller. Max 2 RS485, In & Out Readers Connection. TCP/IP Uplink. AES-256 Encrypted IP. 1 Relay Output & 4 Inputs. 30,000 Users, 50,000 Event Transactions. Din Rail Type.

### XP-Q2300iCA-CP

2 Door Network Controller. 4 RS485 In & Out / 2 Weigand Reader Connection. TCP/IP Uplink. AES-256 Encrypted IP. 2 Relay Outputs & 4 Inputs. 30,000 Users, 50,000 Event Transactions. Power Supply & Back Up Battery. Metal Enclosure.

### XP-M4L-CA25

Lift Access Controller (4 COP Panel). 30,000 Users, 50,000 Event. Transactions. Encrypted TCP/IP Uplink. AES-256 Encrypted IP. Din Rail Type. (MK800CA Reader Interface Required)

### XP-QNET-GAC-CA

Master Controller For Global Anti-Passback. AES-256 Encrypted IP. HENGFU switching power supply battery charger. 7AH Sealed Lead-Acid Rechargeable Battery. Metal Enclosure.

### xPortalNetHSv2.0PS-CA

xPortalNet v2.0 High Security Platform AES 256 Software.