

PLATO-Q82

QR Code / MIFARE DESFire EV1/EV2/EV3 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 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 offers unparalleled security for all your access control needs.

Product Features

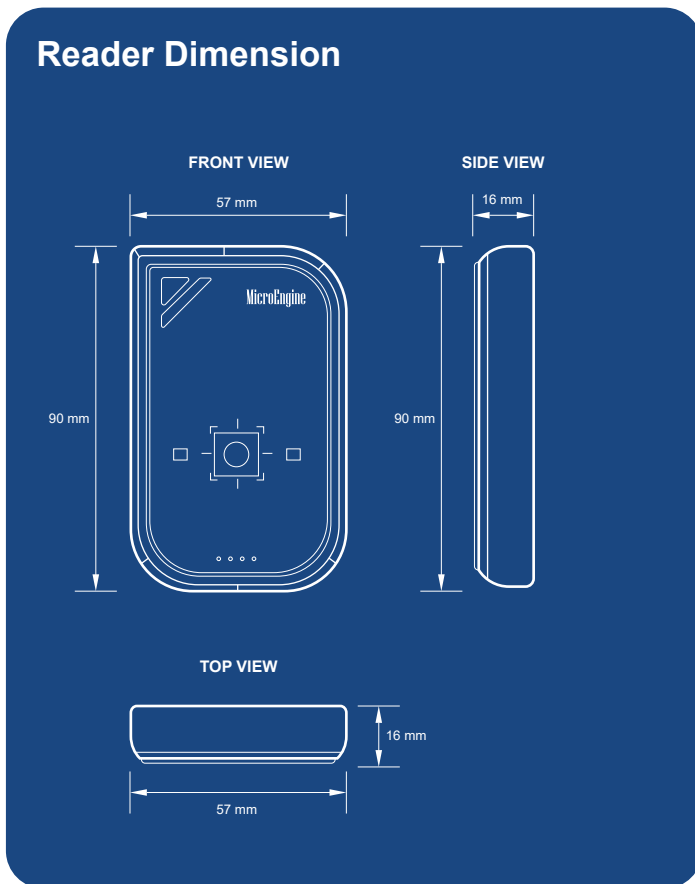
- High Security DESFire Data Card Reader**
 MIFARE DESFire provides the most secure and practically unbreakable 128 bit encryptions. PLATO-Q82 is capable of reading the secure data file in the DESFire Card to utilize the card security feature correctly.
- Anti-Cloning using Dynamic QR**
 New QR code 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/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-QNET
- ▶ XP-QNET/IPC
- ▶ XP-Q1200/IP
- ▶ XP-Q2200/IP
- ▶ XP-Q1200i-SE
- ▶ XP-MK820
- ▶ USB-XPNETHSV2.0PS
- ▶ MKEY-XPNETHSV2.0PS

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-Q1200i-SE

1 Door Advanced Multi-Class Mifare-Desfire & QR (Dynamic) Controller. High Security Dual ID Matching. 20,000 Users, 50,000 Event. Encrypted TCP/IP. Din Rail Type.

XP-MK820

Reader Interface Unit for QNET.

USB-XPNETHSV2.0PS

xPortalNet HS PS v2.0 Software License Dongle.

MKEY-XPNETHSV2.0PS

xPortalNet HS PS v2.0 Software Machine Key