Data Sheet | Reader

MicroEngine®
Integrated Security Systems

PLATO-P80MS
EM Proximity

▶ **Communication using RS485**

▶ **EM Proximity Reader**

▶ **Better Security with 16-Digit Card Number**

▶ **Multiple Verification Mode-Card/ID**

Product Description

The PLATO-P80MS is a high-performance EM Proximity reader designed for secure access control systems. Its slim and stylish design makes it a great addition to any modern facility. Communication is achieved via RS485, ensuring reliable and fast data transmission. The reader offers improved security with its 16-digit card numbers and built-in buzzer, providing an audible notification of access events. With a maximum reading range of 7 cm, the PLATO-P80MS is a reliable and convenient solution for all your access control needs.
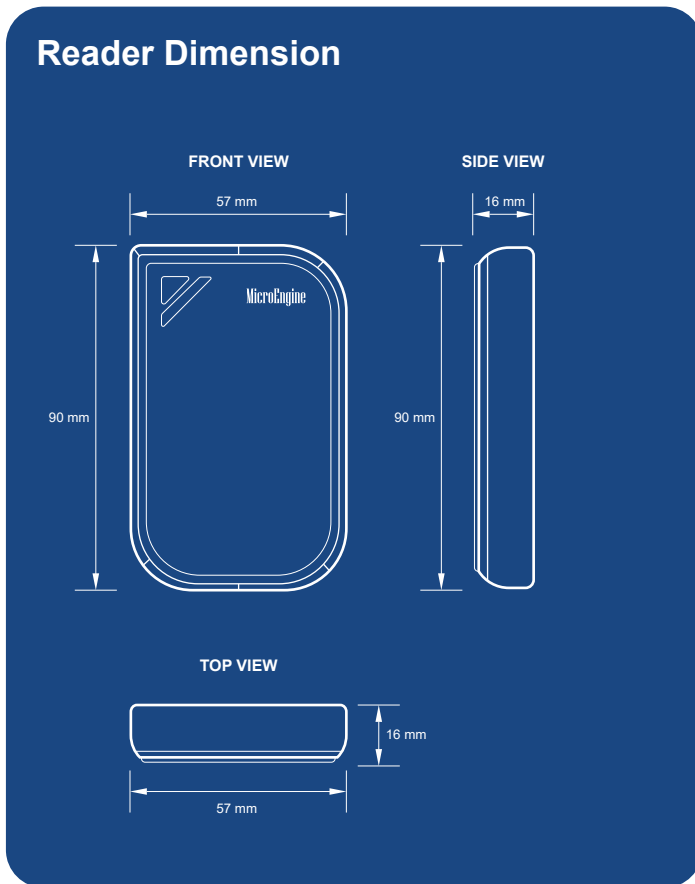
Product Features

■ **Communication using RS485**
Industrial specification for point-to-point communication. Cadapable to communicate with multiples controllers and devices.

■ **EM Proximity Reader**
It uses an electromagnetic field to detect the presence of a card or key fob, which acts as an identifier for a person's authorized access to a specific area. The technology is commonly used in combination with a reader and a control system to allow or deny access based on the proximity of the card or key fob to the reader.

■ **Better Security with 16-Digit Card Number**
Mutual three-pass authentication and a unique serial number for each device.

■ **Multiple Verification Mode-Card or ID**
Multiple methods to confirm identity before granting access to resources. This reduces unauthorized access risk by using a combination of verification.

Product Specification

Connectivity	RS485
LED Indicator	Blue and Red
Reader Type	EM Compatible
Card Digits	16
Buzzer	Yes
Dimension (H x W x D)	90 mm x 57 mm x 16 mm
Epoxy	Yes
Weather Proof	Yes
Reading Range	Max 7 cm
Tamper Sensor	Yes
Material	Body - Polycarbonate Faceplate - Acrylic
Keypad	No
LCD	No
Input Voltage	12VDC
Current (Typical)	150mA @ 12VDC
Operating Temperature	0 - 50° Celsius

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Product Dimension

Reader Dimension

FRONT VIEW — 57 mm, 90 mm

SIDE VIEW — 16 mm, 90 mm

TOP VIEW — 16 mm, 57 mm

Related Product

- XP-SNET/IPC
- XP-SNET5
- XP-SNET-GAC
- XP-SNET-GAC/IPC
- XP-M1000i-SE21
- XP-M1300i/IP
- XP-M2300i/IP
- XP-MK800E
- XP-MK-UL10S
- USB-XPNETV15/L
- USB-XPNETPSV15
- MKEY-XPNETPSV15

Ordering Information

XP-SNET/IPC
5 Doors Ethernet Access Controller. 50,000 Users, 100,000 Event Transactions. TCP/IP communication. Power Supply 3A, 12VDC & 7AH Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring.

XP-SNET5
5 Doors Ethernet Access Controller. 5 RS485 In / Out / 5 Weigand Reader Connection. 8 Relay & 16 Input. 50,000 Users, 100,000 Event Transactions. RS485 Communication & TCP/IP. Power Supply 10A, 12VDC & 12AH Battery. Metal Enclosure. Support Door Access, Lift Access & Alarm Monitoring.

XP-SNET-GAC
Master Controller For Global Anti-Passback. Switching power supply battery charger. 12AH Sealed Lead-Acid Rechargeable Battery.

XP-SNET-GAC/IPC
Master Controller For Global Anti-Passback. HENGFU switching power supply battery charger. 7AH Sealed Lead-Acid Rechargeable Battery.

XP-M1000i-SE21
1 Door Network Controller. Max 2 RS485, In & Out Readers Connection. 1 Relay Output & 4 Inputs.10,000 Users, 50,000 Event Transactions. TCP/IP. Power Supply & Back Up Battery with Metal Enclosure.

XP-M1300i/IP
1 Door Network Controller. Max 2 RS485, In & Out Readers / 2 Weigand Reader Connection. 2 Relay Outputs & 6 Inputs. 30,000 Users, 50,000 Event Transactions. TCP/IP. Power Supply & Back Up Battery with Metal Enclosure.

XP-M2300i/IP
2 Door Network Controller. 2 RS485 In/Out / 2 Weigand Reader Connection. 30,000 Users, 50,000 Event. Transactions. TCP/IP Uplink. Power Supply & Back Up Battery. Metal Enclosure

XP-MK800E
Reader Interface (for SNET version)

XP-MK-UL10S
Uplink RS485 Adaptor

USB-XPNETV15/L
xPortalNet v1.5 Lite version USB Software License Dongle

USB-XPNETPSV15
xPortalNet PS v1.5 USB Software License Dongle

MKEY-XPNETPSV15
xPortalNet PS v1.5 Software Machine Key