RFID Card Reader
for flush mounting in machines and terminals
ID CPR46.10 (13.56 MHz)

FEATURES

→ Designed for flush mounting in front panels of metal

→ Built-in device for ATM, Ticket-, Parking-, and Vending machines as well as charging stations

→ IP65 protected front, IK10 vandalism proof rating

→ 4 SAM sockets

→ Compliant to EMVCo contactless Level 1

→ Interfaces: USB & RS232

FEIG
ELECTRONIC

ID CPR46.10 – visible section after installation

SHORT DESCRIPTION

Order description:

| ID CPR46.10-USB | RFID Card Reader |
| ID CPR46.10-4SUSB | RFID Card Reader with 4 SAM sockets |

ID CPR46.10 is a robust RFID Card Reader, which can be flush mounted in machines and terminals made of metal. Equipped with high protection class (IP65) and high impact resistance level (IK10), the reader provides maximum protection against environmental influences and vandalism .

Due to an automatic power management and a very low standby power consumption, the reader is optimally suited for solar- and battery-powered machines and terminals.

Data transfer between reader and host is AES256 encrypted.

Scope of delivery:
- Card Reader ID CPR46.10-USB resp. ID CPR46.10-4SUSB
- Mounting instruction

TECHNICAL DATA

Dimensions (W x H)	85 mm x 85 mm (visible section after installation)
Housing	Plastic
Weight	approx. 250 g
Protection class	IP 65 (front); IP30 (back)
Impact resistance level	IK10
Temperature range	–25 °C up to 70 °C (operation)
	–40 °C up to 80 °C (storage)
Relative humidity	95 % (non condensing)
Supply voltage	5 V DC or 8 V – 42 V DC
Power consumption	
Operation	500 mA maximum
Standby-Mode	approx. 100 µA (5 V input voltage)
Operating frequency	13.56 MHz
RFID interface	ISO/IEC 14443-A / -B
Antenna	integrated
Power Management	Automatically, wake-up by card, wake-up by host
Host interfaces	USB, RS232, RS232-LVTTL
Smartcard interface	ISO7816 – 4 SAM sockets*
MTBF	500.000 hours
Optical indicators	4 green LEDs (EMV-Mode) or green / yellow / red LED
Buzzer	integrated
Supported transponders	ISO 14443-A[1]
	ISO 14443-B[2]
	NFC[3]

[1] e.g. mifare® classic (mini, 1k, 4k), mifare® UltraLight, mifare® DESfire, Smart MX, my-d® proximity, SLE44R35S, SLE55R…, etc., Jewel™
[2] e.g. SLE66CL, ST19XR34, RF360 etc.
[3] NFC Type 1, 2 and 4 in Read/Write and NFC Card-Emulation-Mode
* Read ranges depend on transponder sizes; here made statements relate on inlet size of 76 x 45 mm

*ID CPR46.10-4SUSB, only

STANDARD CONFORMITY

Radio approval	
Europe	EN 300 330
EMC	EN 301 489
Security	
Low voltage	EN 60950
Human Exposure	EN 50364
Environment	WEEE – 2002/96/EC
	RoHS – 2002/95/EC
Payment	EMV Level 1 contactless

OEM

SDK for Microsoft Windows® and Linux.
(C++, Java, .NET)