

OBID myAXXESS[®] flatOne

Contactless Payment Reader ID CPR46.10-x



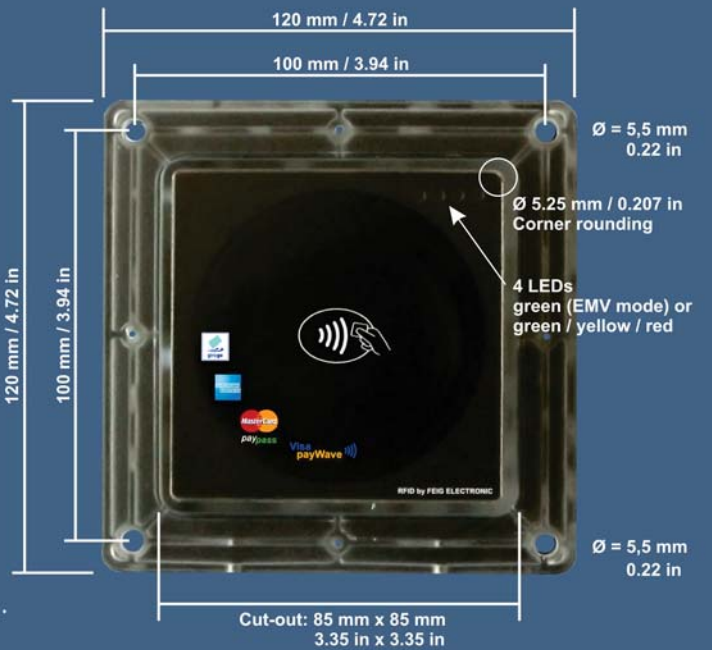
- Designed for flush mounting into vending machines of metal
- EMV Level 1 certification
- Built-in device for ATM, ticketing- , parking- and vending machines as well as charging stations
- Power options for 5V DC or 8V - 42V DC
- 4 SAM-Sockets (ID000 Format)
- IP65 protected front, IK10 vandalism proof rating
- USB & RS232 Interface
- OEM version with customer specific labeling / design available

Contactless Authentication & Payment at

- ATM machines
- Ticket machines
- Parking ticket machines
- eMobility car charging stations
- ...



Flush mounting into terminals



Front plate: customized design and labeling available.

Contactless Payment® in a new dimension: OBID myAXCESS flatOne is world-wide the first EMV Level 1 certified reader, flush mountable into vending machines of metal. The front panel of the reader offers excellent protection against environmental influences and vandalism.

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

OBID myAXCESS flatOne supports all major contactless credit cards and contactless debit cards including the German girogo cash card. Furthermore all common ISO14443-A and -B based smart cards could be read and NFC applications are supported. With four SAM Sockets (ID000 format) the OBID myAXCESS flatOne supports customer specific security applications.

The reader offers high security authentication and encryption, data transfer between the reader and the host is AES256 encrypted, firmware updates are protected by RSA algorithm and authentication.

ORDER DESCRIPTIONS:

- ID CPR46.10-4SUSB / OBID myAXCESS flatOne plus Contactless Payment Reader with 4 SAM sockets
- ID CPR46.10-USB / OBID myAXCESS flatOne Contactless Payment Reader without SAM sockets

Supported cards (EMV level 1)



Technical data

Visible section - dimensions	85 x 85 mm (3.347 in x 3.347 in) - reader
Visible section - corner rounding	Ø 5.25 mm (0.207 in) - reader
Mountable wall thickness	3.0 mm - 5.5 mm (0.12 in - 0.22 in)
Weight	approx. 250 g (8.82 oz)
Temperature range	
Operation	-25 °C to +70 °C (-13 °F to +158 °F)
Storage	-40 °C to +80 °C (-40 °F to +176 °F)
Relative humidity	95 % max, (non condensing)
Housing	Plastic
Enclosure rating	IP 65 (Front)
Housing protection	IEC 62262 rating IK10 (impact test)
Supply voltage	5.0 V DC or 8.0 V - 42.0 V DC
Power consumption	
Operation	500 mA max.
Standby	approx. 100 µA (with 5 V DC power)
Operation frequency	13.56 MHz
RFID interface	ISO/IEC 14443-A / -B Additional standards optional integrated
Antenna	integrated
Power Management	automatic, wake-up by card, wake-up by host
Terminal / host interface	• USB Full Speed - 12 MBit/s • RS232 with 4.800 - 921.600 Baud • RS232-LVTTL (optional)
Smartcard interface (ISO7816)	4 SAM-Sockets (ID000)*
CPU	ARM Cortex-M3 at 120 MHz
Memory	512 kB Flash-ROM, 128 kB RAM
MTBF	500.000 h
Optical indicators	4 green LEDs (EMV mode) or green / yellow / red LED
Acoustical indicators	Integrated buzzer

Certifications of conformity

Radio	EN 300 330
EMC	EN 301 489
Security	
Voltage	EN 60950
Human Exposure	EN 50364
Enclosure protection	EN 50102
Environment	WEEE 2002/96/EC, RoHS - 2002/95/EC,
Payment	EMV Level 1 contactless Additional certifications optional

OEM

* only OBID myAXCESS flatOne plus

SDK for Microsoft Windows® and Linux.
(C++, Java, .NET)
Customer specific design / labeling

All brand names, trademarks or logos are property of their respective owners. OBID myAXCESS flatOne is patent pending.



FEIGELECTRONIC reserves the right to change specification without notice at any time.
Revision: December 2012