

OBID myAXXESS[®] flatOne

Contactless Payment Reader ID CPR46.10-x



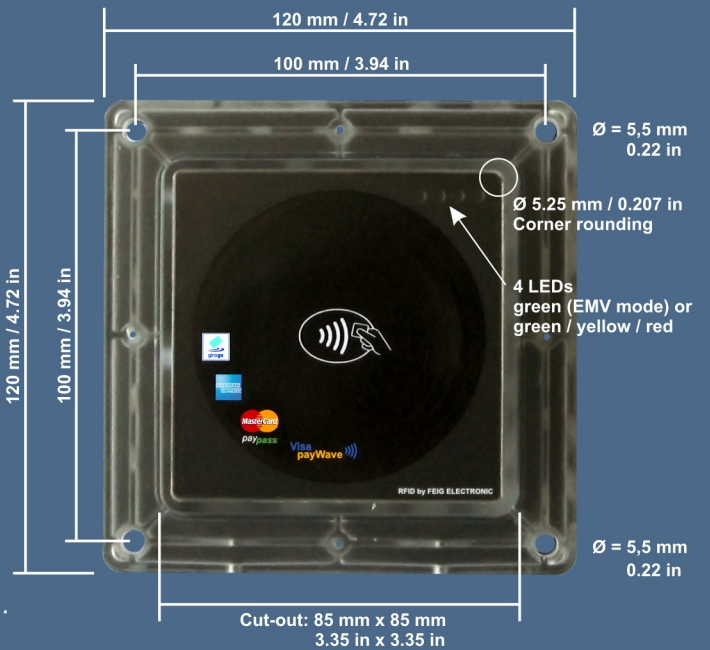
- Designed for nearly flush mount into metal environments
- EMV Level 1 certification
- Built-in device for ATM, ticketing-, parking- and vending machines or eMobility applications
- Power options for 5V DC or 8V - 42V DC
- 4 SAM-Sockets (ID000 Format)
- IP65 protected front, IK09 vandalism proof rating
- 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
- ...



Nearly flush integration into terminal



Front plate: customized design and labeling available.

OBID myAXCESS® flatOne is a contactless payment reader designed for payment applications as well as for eTicketing- and eMobility applications. The reader is certified according to EMV Level 1.

The reader design features:

- Ability to mount on metal with full performance (EMV certification included testing when mounted on a metal sheet)
- Thin profile for flush mounting, only 3mm protrusion from the surface.
- Low standby power to support solar or battery powered terminals.

OBID myAXCESS® flatOne supports all next-generation 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, firm-ware 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 IK09 (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	automatic, wake-up by card, wake-up by host
Power Management	
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
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, EMV Level 1 contactless
Payment	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
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OBID myAXCESS® flatOne
is patent pending.



FEIG ELECTRONIC reserves the right to change specification without notice at any time.
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