OBID myAXXESS® addOn

Contactless Payment System for ePayment

consisting of the Contactless Payment Reader ID CPR47-A and the external antenna ID CPR.ANT8690

Picture shows the external antenna ID CPR.ANT8690

- Smart card reader with flat, external antenna for direct mounting on metal

- EMV Level 1 conformity

- Supports all common contactless Smart cards according to ISO14443-A & -B as well as NFC

- Modular Payment System for installation in ticket-, parking ticket-, ATM- and vending machines as well as charging stations

- IP65 protection class, IK10 vandalism protection

- USB & RS232 interface

- 6 LEDs & Buzzer

• Contactless Payment
• Vending
• eMobility

OBID® - RFID by FEIG ELECTRONIC

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OBID®
Welcome to RFID

Supported cards (by EMV Level 1)   MasterCard   AMERICAN EXPRESS   VISA   DISCOVER   giro go

ID CPR47-A (rear view)

ID CPR47-A is a Smart Card Reader with EMVCo Level 1 conformity for Contactless Payment applications.

The reader is designed for connection with the external antenna ID CPR.ANT8690, allowing direct mounting on the metal surface of machines. The modular concept enables a flexible installation in the machine as well as retrofitting of machines on site.

The EMVCo Level 1 compliant system supports all common contactless credit-, debit- and cash cards, all common ISO14443-A/-B Smart Cards as well as NFC applications.

Intelligent power management ensures extremly low power consumption, making OBID myAXXESS® addOn ideal for solar- or battery-powered machines and terminals.

Order descriptions
ID CPR47-A - Contactless Payment Reader
ID CPR.ANT8690 - External antenna for ID CPR47-x

Technical data ID CPR47-A

Dimensions (Reader)	85 mm x 105 mm x 28 mm
Weight	approx. 150 g
Temperature range	
Operation	-25 °C to +70 °C
Storage	-40 °C to +80 °C
Relative humidity	max. 95 %, (not condensing)
Housing	Plastic
Protection class	IP 30
Power supply	8 V - 42 V DC
Power consumption	
Operation	500 mA maximum
Stand by mode	approx. 100 µA
Operation frequency	13.56 MHz
RFID interface	ISO/IEC 14443-A / -B
Antenna	Connection for ID CPR.ANT8690
Supported transponders	ISO/IEC 14443-A/-B*
Power Management	Automatically, wake-up by card, wake-up by host
Host interfaces	• RS232 (4.800 - 921.600 Baud) • RS232-LVTTL • Mini-USB connection
Operation mode	Polling Mode (OBID® ISO-Host)
I/O interfaces	1 x input (digital, only alarm function) 1 x output (digital, TTL level)
MTBF	150.000 hours

Standard conformity

Radio approval Europe	EN 300 330
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human Exposure	EN 50364
Enclosure protection	EN 50102
Conformity	WEEE 2002/96/EC, RoHS – 2002/95/EC,
Payment	EMVCo Level 1 contactless

Supported Chip cards

ISO/IEC 14443-4 kompatible Smart cards,
NFC Type 1, 2 and 4 (Card emulation mode)

MIFARE™ Classic, MIFARE Ultralight™, MIFARE Plus™, MIFARE DESFire™, MIFARE DESFire™ EV1, my-d move, my-d proximity, Jewel, SR176, SRIx, Calypso (Innovatron Interface)

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**Supported cards
(by EMV Level 1)**

MasterCard   AMERICAN EXPRESS   VISA   DISCOVER   girogo

External antenna ID CPR.ANT8690

OEM version in customized design / labeling available

The external RFID antenna CPR.ANT8690 was designed for usage with the Contactless Payment Reader ID CPR47-x.

The robust and extremly flat antenna is designed for direct mounting on front plates of metal. It is suitable for retrofitting of vending-, ticket-, ATM machines and charging stations on site, especially. The antennas dimensions are compatible with the standard EVA cutting for vending machines.

Connected with the Contactless Payment Reader ID CPR47-x it is EMVCo Level 1 contactless compliant. The antenna offers high protection agains environmental influences and vandalism and is approved for outdoor use.

Technical data ID CPR.ANT8690

Dimensions	86 mm x 90 mm
Weigth	approx. 150 g
Temperature range	
Operation	-25 °C to +70 °C
Storage	-40 °C to +80 °C
Relative humidity	max. 95 %, (not condensing)
Housing	Plastic
Protection class	IK10 (Impact Test)
	IP 65 (when installed)
Operating frequency	13.56 MHz
RFID interface	ISO/IEC 14443-A / -B
MTBF	500.000 hours
Visual displays	4 green LEDs (EMV mode) or green / yellow / red
Acoustic display	integrated buzzer

Normenkonformität

Radio approval Europe	EN 300 330
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human Exposure	EN 50364
Enclosure protection	EN 50102
Conformity	WEEE 2002/96/EC, RoHS – 2002/95/EC,
Payment	EMV Level 1 contactless Further certifications optional

OEM

Customized design on request.

Order description

ID CPR.ANT8690 / OBID myAXXESS®addOn Antenna

FEIG ELECTRONIC

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