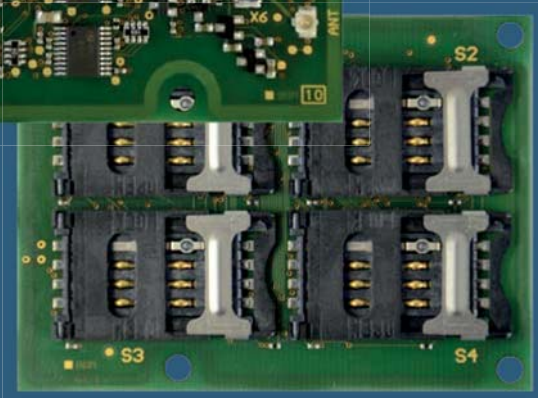


## RFID Reader Module with 4 SAM Sockets ID CPR74



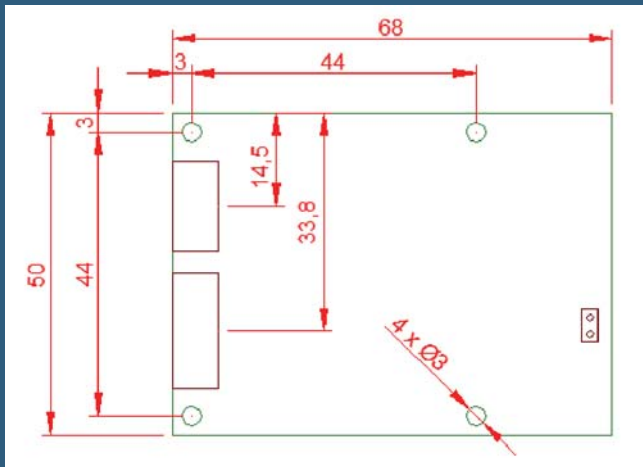
### FEATURES

- High End Performance
- 4 SAM sockets (ID000 Format); tested according to EMVCo Contact Level 1
- Prepared for EMVCo Contactless Level 1 certification
- High density of integration / compact design
- ISO 14443, ISO 15693, ISO 18000-3M3
- Supports NFC applications
- RS232-TTL and USB interface
- Integrated High level support for mifare DESFire and mifare PLUS
- Simultaneous operation with internal and external antenna (integrated antenna multiplexer)



## ORDER DESCRIPTIONS

	ID CPR74-4SCUSB	ID CPR74-CUSB
Dimensions	50 mm x 68 mm x 10 mm	50 mm x 68 mm x 8 mm
SAM sockets	4	-



Dimensions in mm

## SHORT DESCRIPTION

ID CPR74 is a Reader Module supporting transponders according to ISO 14443 Type A and Type B, ISO 15693, ISO 18000-3M3 as well as NFC devices according to ISO 18092.

The Reader Module is certifiable according to EMVCo Contactless Level 1 as well as VDV-KA and ITSO. The 4 SAM sockets are tested according to EMVCo Contact Level 1.

Compact design and two alternatively usable interfaces (RS232-TTL or USB) enable an easy integration in terminals, housings and other devices.

Due to the integrated antenna multiplexer the internal antenna can be operated with an external antenna, simultaneously. The operation mode „Scan-Mode“ allows an automatic switch between both antennas.

The SoftCrypto and SAMCrypto High-Level-Functions offer a comfortable and fast interface for access to encrypted data of mifare DESFire, mifare PLUS and mifare Ultralight C.

FEIG ELECTRONIC reserves the right to change specification without notice at any time.  
Stand of information: November 2016.

## TECHNICAL DATA

Weight	approx. 20 g
Temperature range	Operation: -25 °C up to 70 °C Storage: -40 °C up to 85 °C
Relative humidity	0 up to 95 % (noncondensing)
MTBF	500.000 h
Supply voltage	5 V DC ± 5 %
Power consumption	< 500 mA (without SAM's) Standby Mode/Sleep Mode
Interfaces	- RS232-TTL (up to 230.400 Baud) - USB Full-Speed (12 MBit/s)
I/Os	3 digital outputs 2 LED's
RFID Interface	ISO 14443-A/-B (106 ... 848 kBit/s) ISO 15693, ISO 18000-3M3
Operating frequency	13.56 MHz
Transmitting power	450 mW
Antenna connector	U.FL connector for external antenna
Smartcard interface	ISO 7816 - 4 SAM-Sockel (ID000 format) - T=0 and T=1 protocol - Voltage categories A, B & C
Operating modes	Polling-Mode, Scan-Mode
Supported transponders	mifare® classic, mifare® UltraLight, mifare® DESFire, mifare® PLUS, mifare® UltraLight C, my-d® move, Jewel™, FeliCa, Tag-It HFI, Fujitsu MB89R11x, STM24LRx, STMLR12k, I-Code SLI/SLIX, I-Code ILT NFC Devices in Card Emulation Mode (Tag Type 1...4) NFC Peer-to-Peer (P2P)
Software Development Kits	Windows®, Windows® CE and Linux (C++, .NET, JAVA)
USB driver, PC/SC driver (WHQL)	Windows® Server 2003 and 2008, Windows® Vista 32/64 Bit, Windows® 7 32/64 Bit, Windows® 8 32/64 Bit, Windows® 10 32/64 Bit, Windows® CE
<b>CERTIFICATIONS OF CONFORMITY</b>	
Radio	Europe EN 300 330 North America FCC, IC
EMC	EN 301 489 ISO 11452-2/-4 (Functional status C)
Security	Low voltage EN 60950 Human Exposure EN 50364
Environment	WEEE – 2002/96/EC RoHS – 2002/95/EC
SAM sockets	EMVCo Contact Level 1