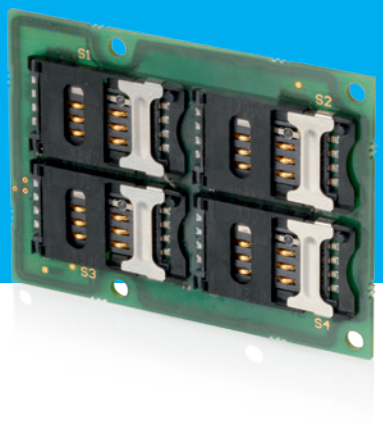
FEIG

ID CPR74

RFID READER MODULE WITH 4 SAM SOCKETS

- High End Performance
- 4 SAM sockets (ID000 Format); tested according to EMVCo Contact Level 1
- Operation with internal and external antenna (integrated antenna multiplexer)
- High density of integration / compact design
- ISO 14443 / ISO 15693 / ISO 18000-3M3
- Supports NFC applications
- RS232-TTL and USB interface



Variable Multitag Read / Write device

ID CPR74 is a 13.56 MHz Proximity Read / Write device 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 for applications like 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.

Comfort and Safety for your application

Due to the integrated antenna multiplexer the internal antenna can be operated with an additional external antenna. The reader 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 (EV0, Ev1), mifare PLUS and mifare Ultralight C.

Convenient access to newer chips such as mifare DESFire EV2 or NTAG 424 DNA via a secure communication channel.

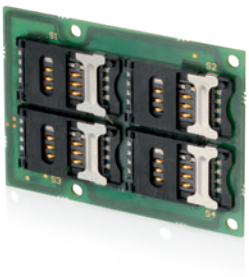
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TWO READING POINTS IN ONE DEVICE

Operation with integrated and external antenna (integrated multiplexer), for example in vending machines or onboard-computers in buses and trains.

Technical data

Dimensions (w x h x d)	50 mm x 68 mm x 8 mm (ID CPR74-CUSB without SAM sockets) 50 mm x 68 mm x 10 mm (ID CPR74-4SCUSB, with 4 SAM sockets)
Weight	approx. 20 g
Temperature range	
Operation	–25 °C up to +70 °C
Storage	–40 °C up to +85 °C
Relative humidity	5 % up to 95 % (non-condensing)
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 sockets (Id000 format) – T=0 and T=1 protocol – Voltage categories A, B & C
Reader modes	Polling-Mode, Scan-Mode
Supported transponders	mifare classic, mifare UltraLight, mifare DESFire, mifare PLUS, mifare UltraLight C, my-d move, Jewel™, FeliCa, NTAG, mifare / NTAG Ev2 Crypto Tag-It HFI, Fujitsu MB89R11x, STM24LRx, STMLRI2k, I-Code SLI / SLIX, I-Code ILT NFC Devices in Card Emulation Mode (Tag Type 1 ... 5), NFC Peer-to-Peer (P2P)
Software development kits	Windows (C++, .NET, Java), LINUX (C++, Java), Raspberry Pi
USB driver, PC / SC driver	Windows Server 2012 and 2016, Windows 7, 8 and 10 32/64 Bit
Radio approvals	
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 (version 4.3)



ID CPR74

RFIDCanada
Automating Identification

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Information updated: December 2020. The information in this document is subject to change without prior notice and is not to be considered as a warranted characteristic.
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