FEIG

ID CPR40.30-x

HF DESKTOP READER

– Desktop reader with USB- or RS232 interface
  to be used in offices or at the PoS

– ISO 14443-A & -B

– Supports NFC applications

– High level support for mifare® DESFire EV1
  and mifare® PLUS

– ISO Host or PC / SC driver

– Optional: 2 SAM sockets

Desktop Reader

Desktop readers ID CPR40.30-x with USB- or RS232 interface are designed for contactless data exchange with common transponders according to ISO14443-A and ISO14443-B as well as NFC devices according to ISO 18092. They are ideally suited for several desktop applications just like eTicketing, eDocument, loyality cards or public transport.

The functions "SoftCrypto" and "SAMCrypto high level" offer an comfortable and fast interface for access to encrypted data of mifare DESFire EV1, mifare PLUS and mifare Ultralight C.

Technical data

ID CPR40.30-x

Dimensions (w x h x d)	144 mm x 84 mm x 18 mm
Weight	approx. 260 g
Housing	Plastic (ASA) / Acrylic glass
Color	white / black
Protection class	IP42
RFID Interface	ISO 14443-A/-B (106 … 848 kBit/s)
Operating frequency	13.56 MHz
Transmitting power	100 mW
MTBF	500,000 h
Supply voltage	5 V DC ± 10 % ripple
Current consumption	max. 140 mA
Antenna	integrated
Interfaces	USB Full-Speed (12 MBit/s), RS232 (4,800 up to 230,400 Baud)
Indicators, optical	2 LED (green / blue)
Contact interface	ISO 7816
(only ID CPR40.30-SUSB)	– 2 SAM socket (ID000 format)
	– T = 0 und T = 1 protocol
	– Voltage classes A, B & C
Operation modes	Polling-Mode, Scan-Mode (only for variants -USB and -A)
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
Temperature range	
Operation	–20 °C up to +60 °C
Storage	–40 °C up to +85 °C
Relative air humidity	max. 95 % (non-condensing)

Standard conformity

Radio license	
Europe	EN 300 330
EMC	EN 301 489
Safety & Health	EN 60950, EN 50364
Environment	RoHS-2002/95/EC, WEEE-2002/96/EC

Order descriptions

ID CPR40.30-USB	Desktop Reader USB
ID CPR40.30-SUSB	Desktop Reader USB with 2 integrated SAM sockets
ID CPR40.30-A	Desktop Reader RS232

Scope of delivery

ID CPR40.30-USB / ID CPR40.30-SUSB
USB cable (A – Mini B plug, black, 2 m),
Installation manual

ID CPR40.30-A
2.5 m cable (permanently mounted) for power supply (5.5 mm coaxial connector) and interface (9-pin D-Sub connector), Installation manual