FEIG CPR30+ Desktop Reader User Guide

IDENTIFICATION
QUICK START
ID CPR30+

Thank you for deciding to purchase the **ID CPR30+.**

This device is designed as a desktop reader for contactless data exchange with a common transponder according to ISO 14443-A/B and ISO 15693 and is suited for office applications, workstations, and Point-of-Sales (PoS) applications.

The power supply and data exchange with a host computer or other equipment is carried out via the USB interface.

NOTE:
Please install the FEIG USB Driver first. For more details read the section “Starting up”.
Please download the manuals, default driver, and software via this link:

https://www.feig.de/en/login/ Username: cpr30+ Password: reader2022

Contents

Scope of delivery

- ID CPR30+ Reader
- USB cable (Type A → Type mini B connector)

Starting Up

- Make sure that the device is not placed in the near proximity of computer monitors, electronic devices, or metal plates.
- Do not place the device directly into the sun.
- The connection with a PC and the power supply takes place through the USB connector via a USB cable with a mini B connector. Cable length: max. 2,5 m (see Fig. 1).

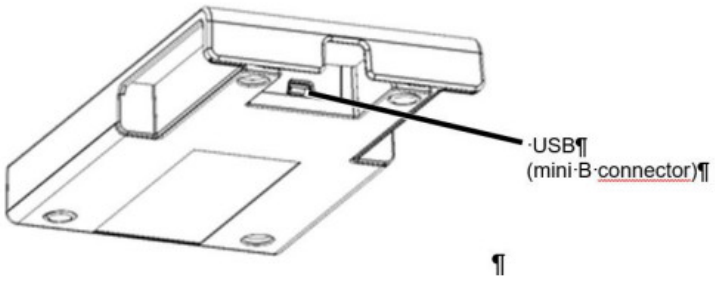

Fig. 1 USB Type mini B Interface

Operating

The green and yellow LED indicates operating status from the ID CPR30+.
After power-on or a reset, both LEDs are flashing simultaneously for approx. 2 sec.
During operation the LEDs indicates the following operating status:

LED	Status	Description
	flashing	The reader is ready for operation
	flashing / permanent	The reader communicates with the PC (flashing frequency variable)
	Once flashing for 1 sec.	Communication with Transponder
 	Simultaneous flashing for 2 sec.	Switching on or reset

Technical Data

Mechanical Data	
Housing	Plastic (ASA-PC) Acrylic glass
Weight	105 g
Dimensions (W x H x D)	144 mm x 84 mm x 18 mm (5.69 in x 3.30 in x 0.71 in)
Protection class	IP 42
Color	white, black
Electrical Data	
Power supply	5 V DC USB bus-powered
Current consumption	max. 220 mA
Antenna	integrated
Operating frequency	13.56 MHz
RF transmitting power / Current consumption optionally	100 mW / 150 mA 300 mW / 220 mA

Supported Transponder	
– ST25DVxx – Infineon: NLM0010 below. 0011 – OnSemi: N24R16 – I-Code SLIX	
Datarate	ISO 14443-A: 106…848 kBit/s ISO 14443-B: 106…848 kBit/s
RF Interface	ISO 15693 ISO 14443-A/B 106 kbit/s part 4 fully supported
FLASH (Firmware)	Firmware update in application possible
Indicator	LED green LED yellow Buzzer
Interface	USB 2.0 Serial
Operating modes	Polling-Mode
Driver Support: USB	– WIN 10 (32 and 64 bit) – Windows 10 – Windows 11 – Android
MTBF	500.000 h

Environmental Conditions	
Temperature range Operation Stor age	20 °C – +60 °C -40 °C – +85 °C A3
Humidity	95 % (non-condensing)

Applicable Standards	
RF Approval Europa USA Canad a	EN 300 330 FCC 47 CFR Part 15 IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety Low Voltage Human Exposure	EN 62368-1 EN 50364
Europa	Richtlinie 2012/19/EU
Europa	Richtlinie 2011/65/EU Richtlinie 2015/863/EU

Safety Instructions

The device may only be used for the intended purpose-designed by the manufacturer.

When installing the device in areas covered under FCC 47 CFR Part 15 a minimum separation of 23 cm (9 inches) between the antenna and the human body must be maintained.
The operation manual should be conveniently kept available at all times for each user.

Unauthorized changes and the use of spare parts and additional devices which have not been sold or recommended by the manufacturer may cause fire, electric shocks or injuries. Such unauthorized measures shall exclude any liability by the manufacturer.

The liability prescriptions of the manufacturer in the issue valid at the time of purchase are valid for the device. The manufacturer shall not be held legally responsible for inaccuracies, errors, or omissions in the manual or automatically set parameters for a device or for an incorrect application of a device.

Repairs may only be executed by the manufacturer.
Installation, operation, and maintenance procedures should only be carried out by qualified personnel.
Use of the device and its installation must be in accordance with national legal requirements and local electrical codes.
When working on devices valid safety regulations must be observed.

This device is not suitable to be used in places where children are present. Prevent children's access to the device.
Equipment is intended for use only in restricted access areas.

Special advice for carriers of cardiac pacemakers:
Although this device doesn't exceed the valid limits for electromagnetic fields you should keep a minimum distance of 25 cm between the device or the antenna and your cardiac pacemaker.

CE Declaration of Conformity
Hereby FEIG ELECTRONIC GmbH declares that the radio equipment type ID CPR30+ is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
https://www.feig.de/en/service/eu-declarations-ofconformity/

UKCA (UK Conformity Assessment)
Hereby FEIG ELECTRONIC GmbH declares that the radio equipment type ID CPR30+ is in compliance with directive No. 1206 Radio Equipment Regulations 2017.
The full text of the UKCA declaration of conformity is available at the following internet address:
https://www.feig.de/en/service/

Notice for USA and Canada:

FCC ID PJMCPR30P
This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
Unauthorized modifications may void the authority granted under Federal communication Commission Rules permitting the operation of this device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC: 6633A-CPR30P
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Warning: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Documents / Resources

	FEIG CPR30+ Desktop Reader [pdf] User Guide CPR30P, PJMCPR30P, CPR30 Desktop Reader, Desktop Reader

References

- FEIG Login - FEIG ELECTRONIC
- FEIG Service - FEIG ELECTRONIC
- FEIG EU Declarations of Conformity - Service | FEIG ELECTRONIC
- FEIG Login - FEIG ELECTRONIC
- FEIG EU-Konformitätserklärungen - Service - FEIG ELECTRONIC