

– NEW –
**AS A PURE
 OFFLINE-
 READER**

ID MAX.50.10-xUSB

HF STAND ALONE TERMINAL FOR IDENTIFICATION OF NFC TRANSPONDERS

- Offline management of more than 5.000 access permissions (Stand-alone operation)
- Multi-tag card reader (ISO 14443-A/-B and ISO 15693)
- Identification via serial number or freely configurable data area
- Real time clock & time zones



myAXXESS

Make access control easy

Access control systems on buildings and parking areas should be as uncomplicated as possible. myAXXESS is the secure, powerful and economic solution for small and medium-sized projects. Both in a stand-alone systems and integrated into existing access solutions.

As a RFID specialist, FEIG ELECTRONIC offers systems from a single source, consisting of:

- > RFID hardware for short-range solutions (HF)
- > RFID hardware for long-range solutions (UHF)
- > Software myAXXESS Manager for administration of access authorizations
- > Transponders for granting authorizations (HF chipcards and UHF wind shield transponders)

HF CARD READER FOR ACCESS CONTROL APPLICATIONS

RFID card reader with integrated access controller for offline management of more than 5.000 access permissions.

Technical data

Dimensions (w x h x d)

Card reader 84 mm x 84 mm x 22 mm

Wall-mounted housing 78 mm x 78 mm x 18 mm

Weight approx. 150 g

Housing

Corpus Plastic ASA

Front panel Acrylic glass

Color

Corpus white

Front panel black

Protection class IP54

Supply voltage external power supply 24 up to 48 V DC $\pm 10\%$

Current consumption max. 3.8 W

Operating frequency 13.56 MHz

RF transmitting power 250 mW ± 2 dB

Antenna integrated, approx. 70 mm x 70 mm

Inputs/Outputs

ID MAX50.10-RUSB 1x Relay (open contact) contact rating: 24 V AC/DC 1.5 A

ID MAX50.10-USB 1x Relay (change-over contact) contact rating: 24 V AC/DC 1.5 A,

(incl. I/O Extension board ID CPR.I/O-B) 2x digital inputs

Interface USB Full-Speed (12 MBit/s)

Memory FRAM for user data, 10^{14} write cycles,
EEPROM for configuration data, 1 million write cycles

Supported transponders ISO 14443-A/-B, ISO 15693, NFC

LEDs 3x (blue, green and red) with configurable function

Buzzer integrated

Real time clock 24 h power reserve; Accuracy: ± 2 s/day

Reading/writing distance typical 3 up to 10 cm*

Temperature range

Operation -20°C up to $+55^{\circ}\text{C}$

Storage -40°C up to $+85^{\circ}\text{C}$

Relative air humidity 95% [non condensing]

* Reading distances depend on the used transponders; here made statements relate on an inlet size of 76 x 45 mm



ID MAX50.10-xUSB

Standard conformity

Radio license

Europe, UK EN 300 330

USA FCC 47 CFR Part 15

Canada IC RSS-GEN, RSS-210,
RSS-212

EMC EN 301 489

Safety

Low voltage EN 60950

Human Exposure EN 50364

Others RoHS, WEEE

HF CARD READER FOR ACCESS CONTROL APPLICATIONS

RFID card reader with integrated access controller for offline management of more than 5.000 access permissions.

ID MAX50.10 combines the functions of a card reader, a door control and access control in one compact device. The dimensions correspond to those of a conventional RFID card reader. So it allows cost-effective solutions for personnel and vehicle access control.

With ID MAX.50.10 more than 5.000 access permissions can be managed and approx. 2.000 access control events can be stored. Each user can be assigned to additional temporal restrictions. Holidays and vacation days can be included, easily. Using the software myAXCESS Manager, user data and authorizations can be easily administrated and transferred to ID MAX.50.10 by using a temporary connection. After this synchronization, the reader can run offline as a stand-alone device. The event memory can be adapted to different data protection laws, but it can be also completely disabled.

ID MAX50.10 supports passive transponders according to ISO / IEC 14443 type A and type B, ISO / IEC 15693 and communicates with NFC devices (ISO / IEC 18092). As an identifier, ID MAX50.10 can examine either the serial number (UID / CSN) or user-selectable memory areas of the transponder. Because of the open software architecture and compatibility with other RFID readers from FEIG ELECTRONIC, the device can be easily incorporated into various applications. That for, software development kits (SDK) for current operating systems and programming environments are available. Typical applications for the ID MAX50.10 are in industrial and commercial installations. It can be used for single doors in small and medium-sized installations.

ID MAX50.10 is available in two versions:

1. ID MAX50.10-RUSB

This version has an internal relay and is suitable for the control of doors with medium security requirements.

2. ID MAX50.10-USB

In this version the external I/O Extension Board ID CPR.I/O-B with 2 digital inputs and one relay can be connected. The external relay ensures maximum security, as it can be placed inside the area to be secured.

Delivery

- > ID MAX50.10
- > Wall-mounted housing for surface mounting
- > Mounting instruction

Accessories

ID CPR.I/O-B: I/O Extension Board with one relay and two digital inputs (only for ID MAX50.10-USB)

ID CAB.USB-B: USB connection cable for programming the card reader

ID CTK-DESFire: Contactless chip card; encoded with a sequential, unique number

ID CTK-U Hybrid: HF/UHF combination card; encoded with a sequential, unique number

