FEIG

ID MAX.50.10-xE

HF STAND ALONE TERMINAL FOR IDENTIFICATION OF MIFARE TRANSPONDERS

- Offline management of more than 5,000 access permissions (Stand-alone operation)
- Optional Power over Ethernet (PoE) or external power supply
- AES-encrypted Ethernet data transfer
- 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
- Configurable event memory

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	PoE, IEEE802.3af, alternative external power supply 24 up to 48 V DC ±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-RE ID MAX50.10-E (incl. I/O Extension board ID CPR.I/O-A)	1x Relay (open contact) contact rating: 24 V AC/DC 1.5 A 1x Relay (change-over contact) contact rating: 24 V AC/DC 1.5 A, 2x digital inputs
Interface	Ethernet 10BASE-T / 100BASE-TX, automatic MDI / MDI-X Cross-over correction, TCP/IP protocol, Ipv4
Cable specification	max. 100 m CAT-5 cable
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 °C
Storage	-40 °C up to +85 °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-xE

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

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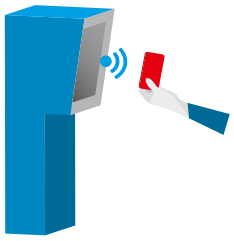
HF CARD READER FOR ACCESS CONTROL APPLICATIONS

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 as well as an easy integration into IP-based network infrastructures with CAT-5 cables due to it´s fast Ethernet interface(10BASE-T / 100BASE-TX). The AES-encrypted data ensures a high system security and protects the access control infrastructure effectively against attacks by intercepting or tampering.

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 myAXXESS 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. Optionally, events can be immediately reported to a host system via notification in the operation mode "Access Mode". The event memory can be adapted to different data protection laws, but it can be also completely disabled. Power is supplied via Power over Ethernet (PoE) according to EEE802.3af or via an external DC power supply.



ID MAX50.10-xE 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-xE 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-xE are in industrial and commercial installations. Each unit can be a part of a complex access control system with widely distributed access points. Furthermore it can also be used for single doors in small and medium-sized installations.

ID MAX50.10 is available in two versions:

1. ID MAX50.10-RE

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

2. ID MAX50.10-E

In this version the external I/O Extension Board ID CPR.I/O-A 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-E resp. ID MAX50.10-RE
- Wall-mounted housing for surface mounting
- Mounting instruction

Accessories

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

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