

OEM RFID-Module ADMITTO-A (RS232 Interface)

ADMITTO-A

Interface: RS232

Versions:

| Standard | RFID Technology | Special Feature |
|------------------|---|--|
| ADMITTO-A-1200-E | LEGIC® prime / advant Basis LEGIC® SM 4200M | Multi-ISO platform ■ LEGIC |
| ADMITTO-A-1400-E | LEGIC® prime / advant basis LEGIC® SM 4500M <i>Note:</i> <i>Supports the initialization of</i> <i>LEGIC transponder medias</i> | prime/advant ■ MIFARE Classic DESFire EV1, EV2, EV3 ■ ISO14443 A+B ■ ISO15693 |
| ADMITTO-A-2000-E | 125 kHz | |
| ADMITTO-A-3100-E | MIFARE Classic MIFARE DESFire EV1, EV2, EV3 (Basis NXP) | |

Designs:



Table design RS232 with external power supply



Mounting design RS232

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General Data

Applications

- Universally applicable for reading and writing of RFID transponder media
e.g. for
 - Data collection
 - Cashless payment
 - PC access
 - Writing of biometric data (fingerprint template)
 - General read- / write applications

Special features

- Shapely and compact plastic casing with bottom or mounting plate of stainless steel
- Directly applicable to metal substrate

Technical data

- Power supply
4,5 - 5,5 V/DC (direct from USB)
- Power consumption

| | | |
|----------------|------|-------|
| ADMITTO-A-1200 | max. | 2,2 W |
| ADMITTO-A-1400 | max. | 2,2 W |
| ADMITTO-A-2000 | max. | 2,2 W |
| ADMITTO-A-3100 | max. | 2,2 W |
- Temperature range:
 - storage temperature -30°C to +70°C
 - operating temperature -25°C to +60°C
- Standard color RAL 7015

Protection class

- table design IP 40
- mounting design IP 66

Dimensions and Weight

- Table design
112 x 54 x 27 mm (LxWxD)
Weight: 205 g
- Mounting design
112 x 54 x 45 mm (LxWxD)
Weight: 165 g

Interface

- Table design
RS232
- Mounting design
RS232

Signal elements

- 3 LEDs green, yellow, red

RS232- connection cable

(type of connection / length / color)

- Table design
 - 9 pin. D-Sub female connector
 - external power supply
 - Cable length: approx. 2 m
 - Color: black
- Mounting design
 - 9 pin. D-Sub female connector
 - Cable length: approx. 15 cm
 - Color: black
 - power supply: via Sub-D connector

Firmware / Software protocol

- "active sending" / can be parameterized
- phg_crypt
- transparent LEGIC instruction set (only for LEGIC licensee)
- phg 1685
- LEGIC RW_01
- LEGIC RW_01_advant
- OSDP
- additional on request



The support and availability of the different software protocols depends on the current RFID-technology and available RFID reader hardware.

Detailed information on request

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Supported transponder medias



The support of the transponder media listed below is generally dependent on the respective variant reader technology (hardware platform) and on the respective reader firmware. The listing of the transponder media is without guarantee of completeness. Further information can be received on request.

| Functionally tested transponder media | Reader technology | | |
|---|---|--------------------------|---------------------------|
| | LEGIC ADMITTO-A-1200 ADMITTO-A-1400 | Mifare ADMITTO-A-3100 | 125 kHz ADMITTO-A-2000 |
| LEGIC MIM 22 / MIM 256 / MIM 1024 | X | | |
| LEGIC ATC512-MP110 (ISO 14443A) | X | X (CSN/UID) | |
| LEGIC ATC2048-MP110 (ISO 14443A) | X | X (CSN/UID) | |
| LEGIC ATC4096-MP310 (ISO 14443A) | X | X (CSN/UID) | |
| LEGIC ATC4096-MP311 (ISO 14443A) | X | X (CSN/UID) | |
| LEGIC AFS4096-JP10/JP11 (ISO 14443A) | X | X (CSN/UID) | |
| LEGIC ATC128-MV210 (ISO 15693) | X | | |
| LEGIC ATC256-MV210 (ISO 15693) | X | | |
| LEGIC ATC1024-MV110 (ISO 15693) | X | | |
| ISO 14443A-Transponder(UID/CSN) | X | X | |
| ISO 15693-Transponder(UID/CSN) | X | | |
| SONY FeliCa subset | X | | |
| INSIDE Secure (UID/CSN) | X | | |
| Classic 1k / 4k | X | X | |
| DESFire 4k | X | X | |
| DESFire EV1, EV2, EV3: 2k / 4k / 8k | X | X | |
| Transparent, ISO14443A | | X | |
| Transparent, ISO14443A Layer 3 | X | | |
| Transparent, ISO14443A/B Layer 4 subset | X | | |
| Transparent, ISO15693 Layer 3 | X | | |
| Transparent, NFC Forum Type 2 Tag | X | | |
| Transparent, NFC Forum Type 3 Tag | X | | |
| hitag 1 | | | X |
| hitag 2 | | | X |
| hitag S | | | X |
| µem 4102 (read only) | | | X |
| µem V4150 | | | X |



Attention:

Recommendation at use of smart card chips for LEGIC “card in card“Solutions

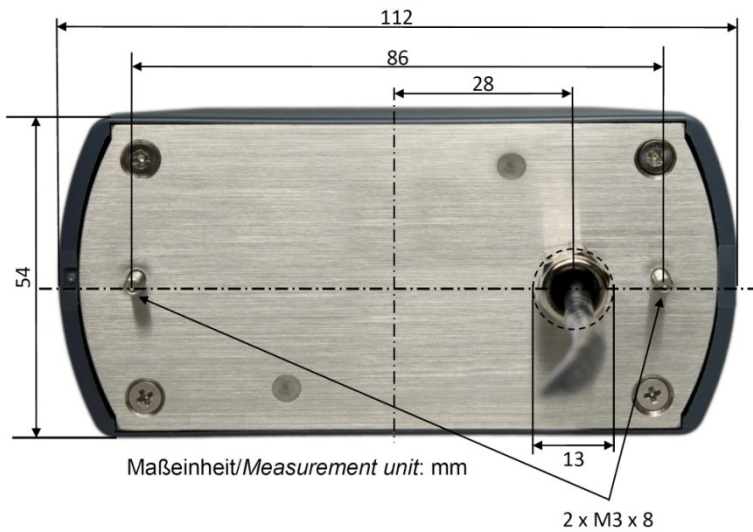
A aptitude examination of the corresponding medium should be carried out before use or intended use.

Detailed information about the procedure are available on request.

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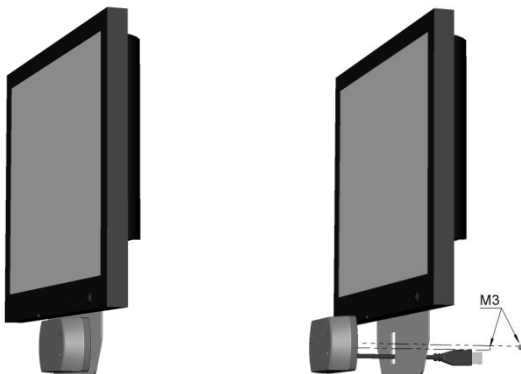
Mounting design

Measures

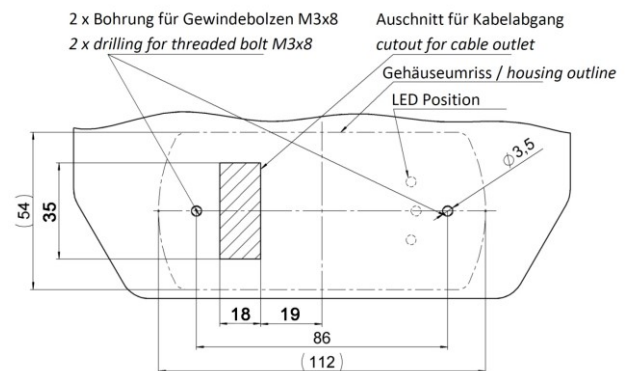


Mounting example

Touch-panel PC



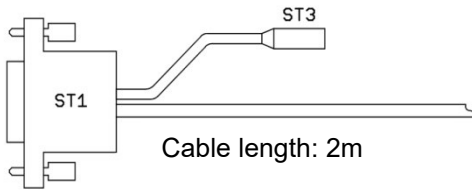
Dimensions off the installation mounting angle (recommendation)




OEM RFID-Module ADMITTO-A (RS232 Interface)

Connection assignment

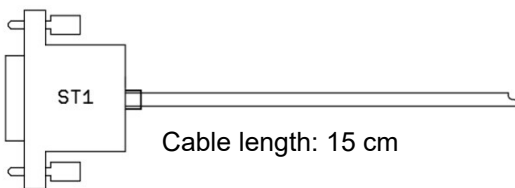
Table design



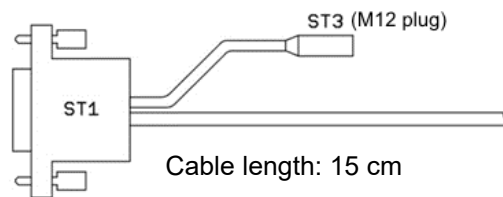
| ST1 D-Sub (female 6-pol.) | | |
|------------------------------|--------|-----------|
| PIN No. | Signal | Direction |
| 8 | RTS | OUT |
| 2 | TxD | OUT |
| 3 | RxD | IN |
| 5 | GND | IN |

| ST3 (power supply coupler) | | |
|---|--------|-----------|
| PIN No. | Signal | Direction |
|  | GND | IN |
| | + 5V | |

Mounting design



| ST1 D-Sub (female 9-pol.) | | |
|------------------------------|--------|-----------|
| PIN No. | Signal | Direction |
| 2 | TxD | OUT |
| 3 | RxD | IN |
| 5 | GND | IN |
| 4 | + 5V | IN |



| ST1 D-Sub (female 9-pol.) | | |
|------------------------------|--------|-----------|
| PIN No. | Signal | Direction |
| 2 | TxD | OUT |
| 3 | RxD | IN |
| 5 | GND | IN |

| ST3 (M12 plug) (power supply coupler) | | |
|--|--------|-----------|
| PIN No. | Signal | Direction |
| 3 | GND | IN |
| 1 | + 5V | |

EG Conformity The device complies with the essential legal requirements, if used for its intended use. The EG-Declaration of Conformity can be received on request.

Care and cleaning instruction

The use of hard or sharp objects (rings, fingernails etc.) can cause scratches and damage the device. Wipe the device with a soft lint-free cloth, or one that has been lightly dampened with water. The use of caustic liquids such as benzene, thinners, alcohol, solvents, or any kind of abrasive cleaners will lead to surface deterioration and damage.