# ATS1187

## Leitor de cartões MIFARE DESFire EV1/EV2/EV3 seguro, com saída OC e entrada RTE

### Product overview

The ATS MIFARE DESFire EV1/EV2/EV3 readers connect directly to the control panel or 4 door controller using the ATS databus. Communication to Axon or Advisor Advanced control panels is AES encrypted, providing data to be securely communicated from the card to the processing unit. The readers are configured through locally through keypad  and control panel menu or addressed through the ATS1482 addressing card. Select secure cards from the ATS145x secure card series.
The reader offers a Request To Exit input and one open collector output that can be used to control a door relay or door strike.
The ATS Mifare Desfire EV1 readers are designed to transfer card data is a secure and reliable way in various environments. The card data is by default secured by an Interlogix own security key, but can be changed easily in Axon or Advisor Advanced control panels to any custom required key.
The readers can optionally be set to read MIFARE CSN numbers instead in unsecure mode.

### Communication

The reader communicates over the ATS LAN databus to Axon or Advisor control panels and 4 door controllers. When connected to Axon or Advisor Advanced control panels, the data between reader and control panel is AES encrypted, securing the data from the card until being processed.

### Design

The unique design of the housing guarantees that the reader can be used in the most demanding surroundings having IP67 and IK-09 rating. The reader can be installed directly on to a metal surface without any insulation.




### Detalhes

- Leitor seguro ATS MIFARE DESFire EV1/EV2/EV3
- Suporta Mifare Secure (modo seguro) ou Mifare com CSN/UID de 4 ou 7 bytes (modo não seguro)
- Utilize cartões seguros da série ATS145x ou cartões do cliente
- Comunicação segura através de encriptação AES de 128 bits entre o leitor e o painel de controlo Axon / Advisor Advanced / CDC4
- Caixa de plástico moldado resistente com um design fino
- Montagem em interior ou exterior
- Interface de barramento ATS
- Solicitação de saída (RTE)
- Saída de coletor aberto (OC, porta aberta)
- Compatível a partir do Advisor Advanced MR4.2

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## Especificações técnicas

### System

| | |
|---|---|
| Reading distance | Seguro: máx. 2 cm<br>Não seguro: máx. 5 cm<br>Bluetooth: depende do dispositivo móvel e das definições |
| Max. reader distance to panel | 1500 m |
| CSN (Card Serial Number) | Yes |
| Custom data model | Yes |
| Supported card types | MIFARE® Classic UID, MIFARE® DESFire UID, MIFARE® DESFire® EV1, MIFARE® DESFire® EV2, MIFARE® DESFire® EV3 |
| Addressing type | Kartenadressierung |
| No. of LEDs | 3 |

### Technology

| | |
|---|---|
| Reader type | Smartcard |
| Reader operating-transmitting frequency | 13.56 MHz |
| Supported technology 13.56 MHz | MIFARE Classic (CSN), MIFARE DESFire (CSN), MIFARE DESFire EV1 (Aritech), MIFARE DESFire EV1 (CSN), MIFARE DESFire EV1 (benutzerdefinierte Daten), MIFARE DESFire EV2 (Aritech), Mifare DESFire EV2 (CSN), Mifare DESFire EV2 (Benutzerdefinierte Daten), MIFARE DESFire EV3 (CSN), MIFARE DESFire EV3 (custom data) |
| Mifare type | ISO14443A |
| No. of Mifare bytes CSN | 4 Byte (nicht eindeutig), 4 Byte (S50), 7 Byte (S50), 7 Byte (S70) |

### Interface & connections

| | |
|---|---|
| Interface | ATS RS-485 |
| Connector type | Zopf |
| Pigtail length | 2 m |

### Inputs/outputs

| | |
|---|---|
| Inputs | Aufforderung zum Beenden |
| Outputs | 1 Open Collector (50 mA) |

### Tamper type

| | |
|---|---|
| Pry-off tamper | Yes |

### Operation

| | |
|---|---|
| Stand-alone | No |
| PIN keypad | No |

### Electrical

| | |
|---|---|
| Operating voltage | 10.8 a 30 VDC |
| Current consumption | 50 mA @13.8 VDC normal<br>120 mA @13.8 VDC max. |

### Physical

| | |
|---|---|
| Physical dimensions | 126 x 85 x 28 mm |
| Net weight | 240 g |
| Shipping weight | 275 g |
| Colour | Schwarz |
| Material | Plastik |
| Form factor | EMEA Kontaktbox |
| Mounting Type | Oberflächenmontage |

### Environmental

| | |
|---|---|
| Operating temperature | -30 a +55°C |
| Storage temperature | -30 a +55°C |
| Relative humidity | <95%, sem condensação |
| Environment | Drinnen, Draussen |
| IP rating | IP67<br>IK-09 |

### Regulatory

| | |
|---|---|
| Compliancy | CE |

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