# ATS1188

## Leitor de cartões MIFARE DESFire EV1/EV2/EV3 seguro, com saída OC e entrada RTE, compatível com credenciais móveis e Aritech ID (Bluetooth).

### Product overview

The ATS MIFARE DESFire EV1/EV2/EV3 readers connect directly to the control panel using the ATS databus. Communication to Everon, Advisor Advanced control panels is AES encrypted. In secure mode, card to reader data is also AES encrypted providing secure communication from the card to the processing unit. The readers are configured locally through keypad and control panel and with the ATS85x0 and the address is configured using the ATS1482 addressing card. Select secure cards from the ATS145x secure card series. The reader is compatible with mobile credentials of Aritech ID. The reader offers a Request To Exit input and one open collector output that can be used to control a door relay.

The ATS1188 Mifare Desfire reader is designed to transfer card data in a secure and reliable way in various environments. The card data is by default secured by an Aritech own security key, but can be changed easily in Advisor Advanced or Everon 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 in a secure way over the ATS LAN databus to Everon or Advisor control panels using AES encryption, 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
- Compatível com a credencial móvel Aritech ID.
- Suporta Secure Mifare (modo seguro) ou Mifare com CSN/UID de 4 ou 7 bytes (modo não seguro)
- Utilize cartões seguros da série ATS145x
- Comunicação segura através de encriptação AES de 128 bits entre o leitor e o painel Everon/Axon
- Caixa de plástico moldado resistente com um design fino
- Montagem em interior ou exterior
- Interface de BUS ATS
- Entrada RTE (botão de saída)
- Saída OC (Open Collector) para comando de abertura de porta
- Compatível a partir do Advisor Advanced a partir da versão MR4.13 e do Everon MR4.3
- NFC preparada para fins de configuração

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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 | Adresowanie kartą |
| 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 (własne dane), MIFARE DESFire EV2 (Aritech), Mifare DESFire EV2 (CSN), Mifare DESFire EV2 (Własne dane), MIFARE DESFire EV3 (CSN), MIFARE DESFire EV3 (custom data) |
| Mifare type | ISO14443A |
| No. of Mifare bytes CSN | 4 bajty (nie-unikalny), 4 Byte (S50), 7 bajtów (S50), 7 Byte (S70) |

### Interface & connections

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

### Inputs/outputs

| | |
|---|---|
| Inputs | Przycisk wyjścia |
| Outputs | 1 Open Collector (50 mA) |

### Tamper type

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

### Operation

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

### Electrical

| | |
|---|---|
| Operating voltage | 10 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 | Slimline |
| Mounting Type | Montaż nawierzchniowy |

### 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>IK09 |

### Regulatory

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

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