ATS1187

Lecteur de cartes sécurisé MIFARE DESFire EV1/EV2/EV3 avec sortie et entrée RTE – format standard

Product overview

The ATS MIFARE DESFire EV1/EV2 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.



Détails

- Lecteur sécurisé ATS MIFARE DESFire EV1/EV2
- Prend en charge MIFARE sécurisé (mode sécurisé) ou MIFARE avec CSN/UID sur 4 ou 7 octets (mode non sécurisé)
- Utilisez les cartes sécurisées de la série ATS145x ou des cartes clients
- Communication sécurisée par chiffrement AES 128 bits entre le lecteur et la centrale Axon / Advisor Advanced / CDC4
- Boîtier robuste en plastique moulé, au design compact (slim)
- Montage en intérieur ou en extérieur
- Interface bus ATS
- Entrée demande de sortie (RTE – Request To Exit)
- Sortie collecteur ouvert (porte ouverte)
- Compatible à partir de la version MR4.2 d'Advisor Advanced

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Spécifications techniques

System

Reading distance	Secure: max 2 cm Unsecure: max 5 cm
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	Card Addressing
No. of LEDs	3

Technology

Reader type	Smart Card
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 (custom data), MIFARE DESFire EV2 (Aritech), Mifare DESFire EV2 (CSN), Mifare DESFire EV2 (custom data), MIFARE DESFire EV3 (CSN), MIFARE DESFire EV3 (custom data)
Mifare type	ISO14443A
No. of Mifare bytes CSN	4 Bytes (non-unique), 4 Bytes (S50), 7 Bytes (S50), 7 Bytes (S70)

Interface & connections

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

Inputs/outputs

Inputs	Request to exit
Outputs	1 Open Collector (50 mA)

Tamper type

Pry-off tamper	Yes

Operation

Stand-alone	No
PIN keypad	No

Electrical

Operating voltage	10.8 to 30 VDC
Current consumption	50 mA @13.8 VDC normal 80 mA @13.8 VDC max.

Physical

Physical dimensions	85 x 85 x 24 mm
Net weight	160 g
Shipping weight	340 g
Colour	Black
Material	Plastic
Form factor	EMEA gangbox
Mounting Type	Surface mount

Environmental

Operating temperature	-40 to +55°C
Storage temperature	-40 to +55°C
Relative humidity	<95%, noncondensing
Environment	Indoor, Outdoor
IP rating	IP67 IK-09

Regulatory

Compliancy	CE

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