

ATS1188

Secure MIFARE DESFire EV1/EV2/EV3 card reader with output and RTE input in slim design, prepared for Mobile solutions

Product overview

The ATS MIFARE DESFire EV1/EV2/EV3 readers connect directly to the control panel using the ATS databus. Communication to Axon, Everon, Advisor Advanced control panels and CDC4 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 also prepared to support future mobile credentials.

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 ATS118xM Mifare Desfire readers are 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 Axon or 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 Axon, 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.

Mounting brackets and weather protection covers provide extend the available applications.



Dettagli

- Secure ATS MIFARE DESFire EV1/EV2/EV3 reader
- Prepared for Mobile Credentialing using Bluetooth
- Supports Secure Mifare (secure mode) or Mifare 4 or 7 byte CSN/UID (Unsecure mode)
- Use secure ATS145x series cards or customer cards
- Secure communication using AES-128 bit encryption between reader and Axon / Advisor Advanced / CDC4 control panel
- Robust molded plastic housing in slim design
- Indoor or outdoor mounting
- ATS bus interface
- Request To Exit input
- Open Collector Output (door open)
- Supported as of Advisor Advanced MR4.9 and from Everon MR1.0
- NFC prepared for configuration purposes

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Specifiche tecniche

Sistema

Distanza di lettura	Secure: max. 2 cm Unsecure: max. 5 cm Bluetooth depending on mobile device and settings
Distanza massima lettori da centrale	1500 m
CSN (Numero di serie della carta)	Yes
Modello personalizzato	Si
Tipo di tessere supportate	MIFARE® Classic UID, MIFARE® DESFire UID, MIFARE® DESFire® EV1, MIFARE® DESFire® EV2, MIFARE® DESFire® EV3
Tipo di indirizzamento	Indirizzamento tessere
No. di LEDs	3

Tecnologia

Tipo di lettore	Smart Card
Frequenza di trasmissione operativa del lettore	13.56 MHz
Tecnologia supportata 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)
Tipo Mifare	ISO14443A
No. di Mifare bytes CSN	4 Bytes (non-unique), 4 Bytes (S50), 7 Bytes (S50), 7 Bytes (S70)

Interfaccia e connessioni

Interfaccia	ATS RS-485
Tipo di connettore	Codino
Lunghezza cavo	2 m

Ingressi / Uscite

Ingressi	Richiesta di uscita
Uscite	1 Open Collector (10 mA)

Tipo Manomissione

Tamper Anti-rimozione	Yes
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Operazioni

Autonomo	No
PIN tastiera	No

Elettrico

Tensione di esercizio	10.8 to 30 VDC
Consumo attuale	55 mA @13.8 VDC normal 85 mA @13.8 VDC max.

Fisico

Dimensioni fisiche	140 x 44 x 20 mm
Peso netto	240 g
Peso spedizione	275 g
Colore	Nero
Materiale	Plastica
Fattore di forma	Slimline
Tipo di montaggio	Montaggio a superficie

Ambientale

Temperatura operativa	-40 to +55°C
Temperatura di immagazzinamento	-40 to +55°C
Umidità relativa	<95%, noncondensing
Ambiente	Interno, All'aperto
IP rating	IP67 IK09

Regolatorio

Conformità	CE
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