

DATASHEET

ATS1181M

Secure MIFARE DESFire EV1/EV2/EV3 card reader with PIN

MAIN FEATURES

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



TECHNICAL SPECIFICATIONS

Power supply

Operating voltage	10.8 to 30 VDC
Current consumption	55 mA @13.8 VDC normal 85 mA @13.8 VDC max.

Inputs / outputs

Inputs	Request to exit
Outputs	1 Open Collector (10 mA)

Physical characteristics

Physical dimensions	140 x 44 x 20 mm
Net weight	240 g
Shipping weight	275 g
Colour	Black
Material	Plastic
Mounting Type	Surface mount

Environmental characteristics

Reader operating-transmitting frequency	13.56 MHz
Operating temperature	-40 to +55°C
Storage temperature	-40 to +55°C
Relative humidity	<95%, noncondensing
Environment	Indoor, Outdoor
IP rating	IP67IK09

ATS1181M

TECHNICAL SPECIFICATIONS

Other characteristics

Reading distance	Secure: max. 2 cm Unsecure: max. 5 cm Bluetooth depending mobile device and settings
Max. reader distance to panel	1500 m
CSN (Card Serial Number)	Yes
Custom data model	Yes
Supported card types	MIFARE® DESFire UID, MIFARE® DESFire® EV1, MIFARE® DESFire® EV2, MIFARE® DESFire® EV3
Addressing type	Card Addressing
No. of LEDs	3
Reader type	Smart Card
Supported technology	13.56 MHz MIFARE Classic (CSN), MIFARE DESFire (CSN), MIFARE DESFire EV1 (Arittech), MIFARE DESFire EV1 (CSN), MIFARE DESFire EV1 (custom data), MIFARE DESFire EV2 (Arittech), 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	ATS RS-485
Connector type	Pigtail
Pigtail length	2 m
Pry-off tamper	Yes
Stand-alone	No
PIN keypad	Yes
PIN length	Defined by control panel
Form factor	Slimline
Compliance	CE