ATEX & IECEX RFID SERIES

ATEX & IECEX HIGH SECURITY READER

IDENTIFICATION IN EXPLOSIVE ATMOSPHERES

BENEFITS

- Secure RFID identification
- ATEX & IECEX certified reader
- Simplified configuration by card or protocol

OSDP™ Supported by SIA

SSCP® Supported by SPAC Smart Physical Access Control

13.56 MHz | TTL RS232 RS485 | Resistance certified IP66 | IK10

ATEX & IECEx certified, the ATX 13.56 MHz reader is specially designed for all your high security access control and contactless identification applications in explosive environments.

WELCOME TO HIGH SECURITY

The ATX reader supports the latest MIFARE® DESFire® EV2 & EV3 contactless technologies with their new data security features:

- **Secure Messaging EV2:** transaction security that protects against interleaving and replay attacks.
- **Proximity Check:** protection against relay attacks.

It allows the use of public security algorithms recognized by specialized and independent organizations in information security (ANSSI and FIPS).

A CUSTOMIZED SCALABLE CONFIGURATION

The ATX reader can be customized to meet your needs: all the features and security levels of the readers in your organization can be upgraded - by RFID card or protocol.

OPEN TECHNOLOGY FOR EASY INTEGRATION

The reader is compatible with all access control systems and accepts multiple interfaces and protocols (Wiegand, Clock & Data, RS232, SSCP® v1 & v2 and OSDP™ v1 & v2).

STANDING THE TEST OF TIME

The Ex II 2 GD IP66 explosion-proof enclosure of the ATX reader makes it extremely robust in harsh environments (IP66 certified) as well as highly resistant to vandalism (IK10 certified).

ATEX & IECEX CERTIFIED READER

The 13.56 MHz ATX reader is ATEX (EN60079) & IECEx certified and complies with both European Directives (99/92/CE and 94/9/CE).

It is used to control people's access to high-security areas in:

- the chemical and petrochemical industries,
- oil and gas refineries,
- nuclear power plants,
- mines,
- gas-filling areas.

Marking T5
EC-type examination certificate: INERIS 13 ATEX 0021X
Approved type: GUB Ex II 2 GD (G: Gas / D: Dust)
II 2G Ex d IIC T5 Gb
II 2D Ex tb IIIC T100°C Db IP66

Marking T6
EC-type examination certificate: INERIS 13 ATEX 0021X
Approved type: GUB Ex II 2 GD (G: Gas / D: Dust)
II 2G Ex db IIC T6
II 2D Ex tb IIIC T85°C IP66

DESIGNED & MADE IN FRANCE

WE'VE GOT YOUR BACK

STid

SPECIFICATIONS

Operating frequency/standards	13.56 MHz: ISO14443 types A & B, ISO18092
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, Classic & Classic EV1, Plus® (S/X) & Plus® EV1, DESFire® 256, EV1, EV2 & EV3, PicoPass® (only CSN), iCLASS™ (only CSN*)
Functions	Read only CSN, secure (file, sector) and secure protocol (Secure Plus) / Controlled by protocol (read/write)
Communication interfaces & protocols	TTL Clock&Data (ISO2) or Wiegand output (encrypted option - S31) / RS485 output (encrypted option - S33) and RS232 output with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (SCP secure communication) Compatible with EasySecure interface
Reading distances*	Up to 4 cm / 1.57" with a MIFARE® DESFire® EV2 card
Light indicators	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by RFID card, software, external command (0V) or UHF technology according to the interface
Power requirement	130 mA / 12 VDC max
Power supply	7 VDC to 28 VDC
Connections	10-pin plug-in connector (5 mm / 0.2") / 2-pin plug-in connector (5 mm / 0.2"): O/C contact - Tamper detection signal 2 PE PAP-R0 M20 cable glands for external shielded cables. 10-19 mm
Material	Aluminum alloy and stainless steel, gray epoxy RAL 9006
Dimensions (h x w x d) / Weight	310 x 270 x 174 mm / 12.2" x 10.6" x 6.8" - 13.5 kg / 458.5 oz
Operating temperatures	- 20°C to + 70°C / - 4°F to 158°F
Resistance	Ex II 2 GD IP66 explosion-proof enclosure - Resistant to explosions, adverse weather conditions, water and dust IK10 / IEC 60068-2-6 / MIL-STD-810 vandal-resistant reinforced structure
Mounting	4 mounting brackets on the enclosure Compatible with universal VESA 200 x 200 mounting kits (requires a mounting accessory)
Certifications	CE (Europe), FCC (USA), IC (Canada) and UL ATEX (EN60079) & IECEx

Part numbers

ATX for T5 version
ATX2 for 6 version

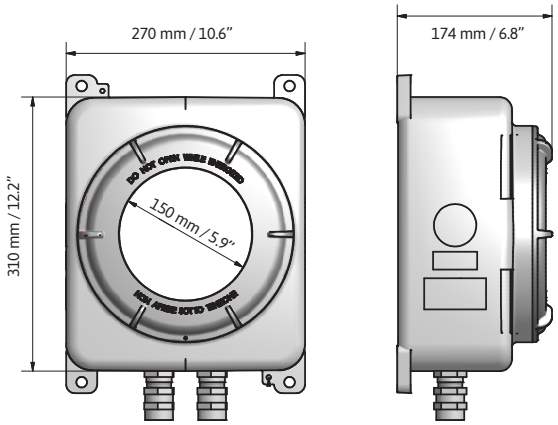
Read only serial number - TTL (Wiegand - Data/Clock)	ATX-R31-E/103-xx/3
Secure Read Only - TTL (Wiegand - Data/Clock)	ATX-R31-E/PH5-xx/3
Secure Read Only / Secure Plus - TTL (Wiegand - Data/Clock)	ATX-S31-E/PH5-xx/3
Secure Read Only - RS232	ATX-R32-E/PH5-5AB/3
Secure Read Only - RS485	ATX-R33-E/PH5-7AB/3
Secure Read Only / EasySecure Decoder - RS485	ATX-R33-E/PH5-7AA/3
Secure Read Only / Secure Plus - RS485	ATX-S33-E/PH5-7AB/3
Secure Read Only / Secure Plus / EasySecure Decoder - RS485	ATX-S33-E/PH5-7AA/3
Controlled by SSCP® v1 protocol - RS232	ATX-W32-E/PH5-5AA/3
Controlled by SSCP® v1 protocol - RS485	ATX-W33-E/PH5-7AA/3
Controlled by SSCP® v2 protocol - RS485	ATX-W33-E/PH5-7AD/3
Controlled by OSDP™ v1 & v2 protocol - RS485	ATX-W33-E/PH5-7OS/3

DISCOVER THE COMPANION PRODUCTS

13.56 MHz or dual frenquency
ISO cards & key holders

SECARD

SECard configuration kit and
SSCP® v1 & v2 and OSDP™ protocols



*Our readers only read the iCLASS™ chip serial number / UID PICO1444-3B. They do not read iCLASS™ cryptographic protection or the HID Global serial number / UID PICO1444-3B.
**Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of credential, size of the credential, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading). External interference may reduce reading distances.

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