STid

ATEX & IECEx RFID SERIES

ATEX & IECEx CERTIFIED SOLUTIONS
RFID Identification in Hazardous Areas

INFORMATION AND SECURITY CONTROL

The RFID lets users manage relevant information for supplying and verifying production and maintenance processes, leading to greater security in explosive environments and isolated areas.

ATEX & IECEX CERTIFIED READERS

STid has developed a certified RFID reader range to meet the two key industry requirements - high security and reliability. Our solutions are compliant with all the international standards of the market: ATEX (EN60079) & IECEx certifications; European Directives (99/92/EC and 94/9/EC).

APPLICATIONS IN HARSH ENVIRONMENTS

Our solutions are especially suited for all your identification track and trace applications in hazardous environments which require explosion protected equipment: chemical and petrochemical industries, refineries, nuclear industries, mining...

ATEX & IECEx PROXIMITY READERS - ATX & ATX2

STid has designed a complete range of ATEX and IECEx certified proximity readers for all your access control applications in explosive environments.

- Ex II 2 GD IP66 explosion proof casing.
- Security and settings configurable by card or protocol.
- Many frequencies are available: 13.56 MHz MIFARE® DESFire® EV1 & EV2, 13.56 MHz LEGIC®, 125 kHz, dual-frequency 125 kHz + 13.56 MHz.

ATEX & IECEX RFID SERIES

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

TTL

RS232
RS485

AVAILABLE VERSIONS

	13.56 MHz MIFARE®	13.56 MHz LEGIC®	125 kHz	125 kHz + 13.56 MHz HYBRID
Chip compatibility	MIFARE Ultralight® & Ultralight® C MIFARE® Classic & Classic EV1 MIFARE Plus® & Plus® EV1 MIFARE® DESFire® 256, EV1, EV2 & EV3 NFC, SMART MX, CPS3 (CSN) iCLASS™** / PicoPass® (CSN)	LEGIC® Advant & Prime CSN of chips: MIFARE Ultralight® & Ultralight® C MIFARE® Classic & Classic EV1 MIFARE Plus® & Plus® EV1 MIFARE® DESFire® 256, EV1, EV2 & EV3 iCLASS™** / PicoPass® iCode (ISO15693) Inside	EM4200, EM4x50 T5557 emulated 4102	EM / HID / Nedap Crosspoint - Argina MIFARE Ultralight® & Ultralight® C MIFARE® Classic & Classic EV1 MIFARE Plus® & Plus® EV1 MIFARE® DESFire® 256, EV1, EV2 & EV3 NFC, SMART MX, CPS3 (CSN) iCLASS™** / PicoPass® (CSN)
Reading distances*	0 - 4 cm / 0 - 1.57"		0 - 15 cm / 0 - 5.9"	0 - 4 cm / 0 - 1.57" (13.56 MHz) 0 - 5 cm / 0 - 1.97" (125 kHz)
Dimensions	270 x 310 x 175 mm / 10.6" x 12.2" x 6.8"			
Resistance	IP66 / IEC 60068-2-6 / MIL-STD-810 / IK10 vandal-resistant reinforced structure			
Part numbers Available in T6 version Ref. ATX2	ATX-R31-E-103 (RO CSN) ATX-R3x-E-PH5 (RO) ATX-S3x-E-PH5 (RO Secure) ATX-R33-E-PH5-7AA (RO EasySecure) ATX-W3x-E-PH5 (RW)	ATX-R3x-L-LE2 (RO) ATX-W3x-L-LE2 (RW)	ATX-R11-A-E01 (RO TTL) ATX-R12-A-E01 (RO RS232) ATX-R13-A-E01 (RO RS485)	ATX-RXx-E-BF5 (RO) ATX-SXx-E-BF5 (RO Secure) ATX-RX3-E-BF5-7AA (RO EasySecure)

ATEX & IECEX UHF READERS - ATX & ATX4

STid offers a comprehensive range of ATEX & IECEx certified **UHF high performance readers** for tracking critical objects and identifying vehicles and improving parking lot traffic flows in explosive environments.
The Ex II 2 GD IP66 explosion-proof casing is well-suited to the chemical, petrochemical and nuclear industries, among others.

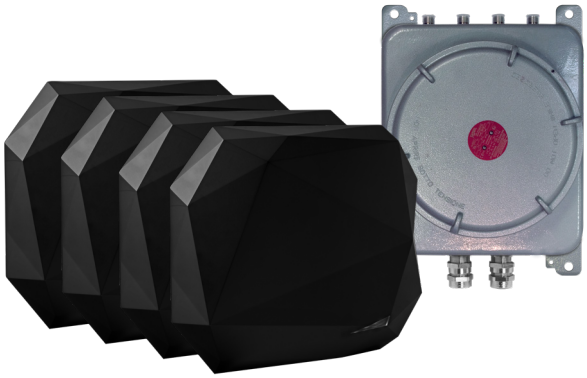
UHF INTEGRATED ANTENNA READER - ATX

TTL

RS232
RS485

TCP-IP
POE

UHF READER WITH UP TO 4 EXTERNAL ANTENNAS - ATX4



Marking

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

Applications in Hazardous Areas

- People identification
- Vehicle and truck identification
- Automated plant processes
- Flow management & tracking on site
- Track pallets, rolls, containers, returnable items...

AVAILABLE VERSIONS

	ATX	ATX4
Chip compatibility	EPC1 Gen 2 / ISO18000-63	
Reading distances* *The reading distance may vary depending on the type of vehicle, the installation conditions and the local regulations*	0 - 4 m / 0 - 13.1 ft	0 - 10 m / 0 - 33 ft
Dimensions	270 x 310 x 175 mm / 10.6" x 12.2" x 6.8"	
Resistance	IP66 / IEC 60068-2-6 / MIL-STD-810 / IK10 vandal-resistant reinforced structure	
Part numbers	ATX-RxX-A (RO) ATX-WxX-A (RW)	ATX4-RxX-A (RO) ATX4-WxX-A (RW)

X = 4 - Low band 865 - 868 MHz, 5 - Upper band 902 - 928 MHz

Supported by SPAC

Supported by SIA

ATEX & IECEX CERTIFIED UHF INDUSTRIAL TERMINALS - ATX IDENT-EX®

The ATX Ident-Ex® is an intrinsically safe UHF mobile terminal with ATEX / IECEx Zone 1/21 and Class I, II, III, Division 1 approval. Its innovative modular concept offers many configuration options and cutting-edge technology for almost all applications in hazardous and explosive environments.

DISCOVER OUR FULL RANGE OF RFID CARDS AND TAGS FOR HARSH ENVIRONMENTS

CCT
RFID & HYBRID cards

TeleTag® / ETA v2
Removable windscreen tags & labels

IronTag®
Rugged & flexible on-metal tags

ACCESS CONTROL & IDENTIFICATION APPLICATIONS IN EXPLOSIVE ENVIRONMENTS

Chemical and petrochemical industries

Oil platforms

Refineries / Distilleries

Dedicated maritime transport (tankers, etc.)

Nuclear power stations

Mining

*Caution: information about the distance of communication: measured from the centre of the antenna, depending on the type of tag, size of the tag, operating environment of the reader, temperatures, power supply voltage, reading functions (secure reading) and local regulations. **Our readers read only the iCLASS™ UID / Chip Serial Number. They do not read secure HID Global's iCLASS™ cryptographic protections.

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