



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...

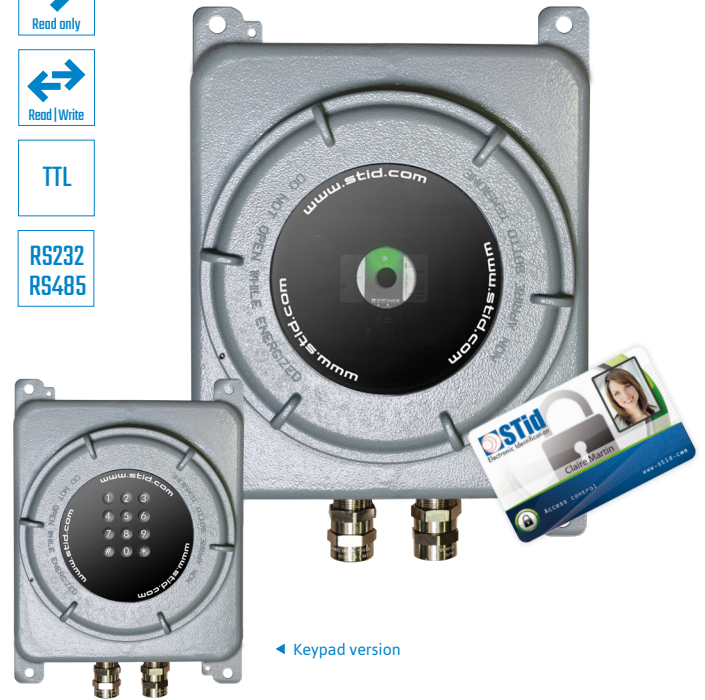
ATEX & IECEx PROXIMITY READERS - ATX & ATX2

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



◀ Keypad version

Marking T5

EC type examination certificate: BKI 08 ATEX 0048
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: BKI 08 ATEX 0048
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



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 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 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 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" | | | |
| Operating temperatures | -20°C to +70°C / -4°F to +158°F (marking T5) / -20°C to +50°C / -4°F to +122°F (marking T6) | | | |
| Resistance | IP66 | | | |
| Part numbers <small>Available in T6 version Ref. ATX2</small> | ATX-R31-E-103 (RO CSN) ATX-R31-E-PC1 (RO) 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) |

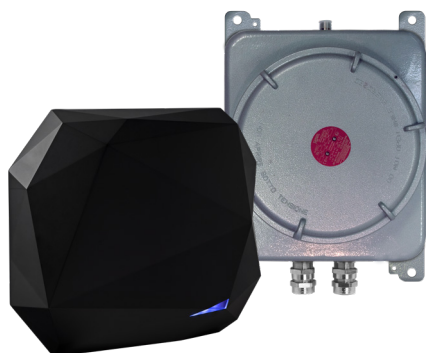
STid offers a comprehensive range of ATEX & IECEx certified **UHF high performance readers** for tracking critical objects and identifying vehicles and improving parking lot traffic flows in explosive environments. The Ex II 2 GD IP66 explosion-proof casing is well-suited to the chemical, petrochemical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



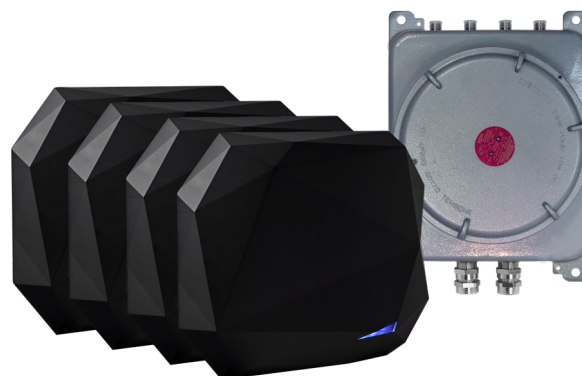
UHF INTEGRATED ANTENNA READER - ATX



UHF EXTERNAL ANTENNA READER - ATX2



UHF READER WITH UP TO 4 EXTERNAL ANTENNAS - ATX3



 **Marking**
 EC type Examination certificate:
 BK1 08 ATEX 0048
 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 explosive environments

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

AVAILABLE VERSIONS*

| | ATX | ATX2 | ATX3 |
|------------------------|---|------------------------------------|------------------------------------|
| Chip compatibility | EPC1 Gen 2 / ISO18000-63 | | |
| Reading distances* | 0 - 4 m / 0 - 13.1 ft | 0 - 6 m / 0 - 19.7 ft | |
| Dimensions | 270 x 310 x 175 mm / 10.6" x 12.2" x 6.8" | | |
| Operating temperatures | -20°C to +50°C / -4°F to +122°F | | |
| Resistance | IP66 | | |
| Part numbers | ATX-RXx-E (RO) ATX-WXx-E (RW) | ATX2-RXx-E (RO) ATX2-WXx-E (RW) | ATX3-RXx-E (RO) ATX3-WXx-E (RW) |

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

*Contracted development

ATEX & IECEx CERTIFIED MOBILE TERMINAL

The T-ATX offers unique industry-first among intrinsically safe mobile computers.

The handled terminal is an intrinsically safe PDA which is certified ATEX / IECEx Zone 1/21 and Class I, II, III, Division 1. It is the only mobile terminal in the world with overall explosion-proof protection approved for use in the mining industry. Its innovative modular concept offers a number of configuration options and cutting-edge technology for almost all applications within hazardous environments. This PDA can be used for entry or on-the-fly controls on high-risk sites.



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



CCT
RFID & HYBRID cards



TeleTag®
Removable windscreen tags



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 and reading functions (secure reading). **Our readers read only the iCLASS™ UID / Chip Serial Number. They do not read secure HID Global's iCLASS™ cryptographic protections.

Legal statements: STid is a trademark of STid SAS. All other trademarks are property of their respective owners.
All rights reserved - This document is the exclusive property of STid. STid reserves the right to stop any product or service for any reason and without any liability - Noncontractual photographs

Headquarters / EMEA

13850 Gréasque, France
Tel.: +33 (0)4 42 12 60 60

PARIS-IDF Office

92290 Châtenay-Malabry, France
Tel.: +33 (0)1 43 50 11 43

STid UK Ltd. LONDON

Hayes UB11 1FW, UK
Tel.: +44 (0) 192 621 7884

STid UK Ltd.

Gallows Hill, Warwick CV34 6UW, UK
Tel.: +44 (0) 192 621 7884

NORTH AMERICA Office

Irving, Texas 75063-2670, USA
Tel.: +1 469 524 3442

LATINO AMERICA Office

Cuahtémoc 06600 CDMX, México
Tel.: +521 (55) 5256 4706

AUSTRALIA / APAC Office

Ultimo, Sydney NSW 2007, Australia
Tel.: +61 (0)2 9274 8853

info@stid.com

www.stid-security.com