Catalog
People & vehicle access control solutions

www.stid.com
Legal statements
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Foreword

STid, an innovative manufacturer of contactless identification solutions since 1996

Data and information protection has become a priority in our smart, mobile and connected society. Beyond the economic realities, human identification through the securing of people’s identity for access is essential.

As pioneers in RFID technology, we anticipate market trends in order to design cutting-edge technological solutions. The trends of STid is based on this philosophy of constant innovation. Our unique know-how allows us to design smart products that meet the expectations of even the most demanding sectors.

“Innovation is in our DNA”

The success of our latest range of readers is explained by our constant drive for technological research, innovation and the creation of added value for all players in the security chain. Architect® is the perfect example of our aim to keep one step ahead of the market and strengthen our position as an innovative manufacturer.

“Supporting you in all your projects”

Over and above the range of functions offered by our products, it is our corporate culture that makes STid a recognized leader in our market. Our development is based on our commitment to keep our partners and clients at the heart of our strategy. Our partners appreciate the personalized support we offer and our desire to design open, non-proprietary solutions.

All our activities are based on the trust of our customers and partners, whom we have won over by offering secure solutions that keep them in control of their security. We achieve our mission by providing reliable and easy-to-use solutions in a digital world and we are proud to share them with your every day.

Yours,

Vincent Dupart
CEO
Our mission

Protecting people, goods and data by securing identity and access

STid is a French company with a worldwide reach that specializes in contactless Radio Frequency IDentification technologies (RFID, NFC & Bluetooth®). We invent and provide solutions in the security and industrial asset track and trace markets for the most demanding industries.

Innovation at the heart of our activity
Thanks to our RFID R&D department and the creation of an innovation hub, we keep on pioneering, launching multiple smart products every year and anticipating the needs of the future.

Unique expertise and know-how
Since 1996, STid has been manufacturing readers, tags and antennas using RFID and mobile technologies to create products which are compatible with all chip technologies on the market. Our complete understanding of the RFID equipment manufacturing process has made us experts in the design of High Security solutions, with extensive expertise in cryptography.

Closer to your business
STid generates added value in all your contactless identification applications. Our sector-specific approach gives us clear understanding of your issues and processes in order to meet your track and trace and maintenance needs in the most demanding sectors. We support and train our clients in integrating our equipment and in managing their contactless identification projects.

Freedom to find the best solution
Over the years, STid’s unique approach has involved openness to all technologies, giving you total freedom in implementing and upgrading your projects.
As French market leader, STid designs, manufactures and markets identification products and solutions for physical and logical access control. We protect access, goods and data for businesses.

Access Security

High Security Identification for physical and logical access control.

Vehicles

Automatic Vehicle Identification (AVI) for parking access and fleet management applications.

Our markets

+ High security Identification

+ Industrial Track and Trace

Identification of objects with added value

STid designs, manufactures and markets equipment capable of identifying, authenticating, supervising and optimizing the processes of the most demanding industries.

People

Automotive

Energy

Oil and Gas

Aerospace

Healthcare

Transport

Our values

Innovation

Experience

High Security Identification for physical and logical access control.

Human touch

don't

over 500

trusted partners across the world

over 20

years of R&D in RFID

over 5

smart products each year
Our clients at the heart of our company

Our primary goal is to satisfy clients with the quality of our products and associated services. Their problems are our problems and we work hard to find solutions using our unique know-how and comprehensive understanding of processes.

For us, a high quality product is one that satisfies all players in the value chain - manufacturers, integrators, installers and users alike.

We therefore make sure that every solution is the best in terms of use, integration, service, reliability and upgradability.

Continuous improvement

All our teams are focused on listening to our clients and constantly reviewing our processes with the shared aim of progress, development and forward thinking.

The STid team has implemented a quality-management system to ensure continuous improvement of the solutions we offer our clients, our business performance and our organizational structures.

ISO 9001 certification and the continued trust of our oldest clients are proof of how we meet our promises and strive to improve our products and services.

ISO 9001 | 2008

certified quality

for our “Design, production, marketing and support” activities in the field of Radio Frequency IDentification (RFID). STid France.

Quality department

qualite@stid.com
+33 (0)4 42 12 60 60
over **50** countries in our network

4 sales offices

1 head office

**HEAD OFFICE**
20, Parc d’Activités des Pradeaux
13850 Gréasque, France
(☎) +33 (O)4 42 12 60 60
(✉) +33 (O)4 42 12 60 61

**PARIS [IDF] OFFICE**
Immeuble Le Trisalys
416 avenue de la Division Leclerc
92290 Chatenay-Malabry, France
(☎) +33 (O)1 43 50 11 43
(✉) +33 (O)1 43 50 27 37

**UK OFFICE**
Innovation centre
Gallows Hill, Warwick
CV34 6UW, United Kingdom
(☎) +44 (O)1926 217 884
(✉) +44 (O)1926 217 701

**AUSTRALIA (APAC) OFFICE**
Level 7
263 Clarence Street
Sydney NSW 2000, Australia
(☎) +61 2 9779 1656

**AMERICA OFFICE**
Varsovia 57, Interior 501
Colonia Juárez, CP 06600
Delegación Cuauhtemoc
Mexico, D.F.
(☎) +52 (55) 52 56 47 06
(✉) +52 (55) 52 56 47 07

Find out more about our resellers
Visit www.stid.com

Sales: info@stid.com
Marketing: marketing@stid.com
Support: support@stid.com
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Protecting people, goods and data by securing identity and access
Keep in control of your security
People Identification recognizes badge holders, securing access to different areas. The security solution (badge, reader and software) is an important choice to make that will determine the overall coherence and security of your system.

Recognized player in the security market
STid offers the widest range of secure access control solutions. STid was the first RFID manufacturer to be awarded French First Level Security Certification (CSPN)* and we possess unique know-how and complete understanding of technology and security in any type of architecture.

Mobile, user-friendly and secure solutions
Using a smartphone for identification is a revolutionary concept that changes our way of interacting with access terminals. STid has developed mobile solutions based on NFC (HCE) and Bluetooth® Smart (Low Energy) technologies to improve security and user-friendliness.

Multi-tech interoperable solutions
Our solutions are based on RFID technologies that operate at all frequencies (125 kHz, 3.25 MHz, 13.56 MHz and UHF). They are compliant with all technologies (NXP MIFARE®, and DESFire® range, NFC (HCE), LEGIC®, ST, EM, etc.) and international standards (ISO14443 A & B, ISO15693, ISO18092, ISO18000-63, EPC1 Gen2, etc.)

*ANSSI-CSPN-2013/03 - 19/03/2013 & 24/10/2013 - LXSW33EPH57AD1 certification
Welcome to High Security
by STid

Access control is all about protecting people, property, valuables and data. The more valuable the items to be protected, the more important it is to have confidence in the solution. When choosing a card/reader technology, it is important to state some simple yet fundamental requirements:

- Do not allow third parties the opportunity to copy or reproduce physical and virtual access badges without supervision.
- Do not depend on a third party to create your access badges.
- Prevent the substitution or emulation of an identification tag.

An ID card is like an access key. It is the first link in a security chain (badge, reader and system), which needs to be consistent and uniform.

Our security system uses private encryption keys. Managing these keys is of vital importance. STid lets you define, manage and safeguard the encryption keys that protect your data, to ensure:

- **Autonomy**: define keys and create master cards without using an outside contractor.
- **Confidentiality**: no one needs to know the keys to use and/or operate them.
- **Independence**: no need to depend on a third party to upgrade the system, security settings or purchase new cards.

STid designs, develops and markets a wide range of upgradable readers for High Security RFID badges and NFC & Bluetooth® smartphones. Our readers support all the major card and identification technologies.
Welcome to High Security by STid

Access security and data protection
We help our clients to improve data protection and management with physical and logical access solutions. Our smart and strong multi-factor authentication solutions comply with governmental security requirements and offer the highest levels of protection, adapting to all new or existing infrastructure.

Seamless security
STid was the first RFID manufacturer to be awarded French First Level Security Certification (CSPN)* and we have developed a simple system to implement a secure information chain for your access control application.

Technological independence
Our solutions are open and compatible with all access control systems by using approved public security algorithms and interoperable technologies based on international standards (ISO14443 types A & B, ISO18092, etc.)

Complete control and overall consistency of the information chain

*ANSSI-CSPN-2013/03 - 19/03/2013 & 24/10/2013 - LXSW33EPH57AD1 certification
Welcome to High Security by STid

SECARD

The software tool for full control of your security

The SECard software lets users, installers and integrators easily:

- create master physical / virtual badges for programming readers
- securely program user badges and «Virtual Cards»
- manage keys and security configurations

Simplified implementation

1. Configuration badge created and encryption keys defined.
2. User badges and Virtual Card programmed using the encryption keys defined.
3. Readers programmed using my configuration badge - they only recognize my badges.

- Added extras
  - The SECard software ensures complete security control:
    - Autonomus management: autonomous programming of user badges.
    - Configure and reconfigure readers as you wish.
    - Protection and confidentiality: user badges and master badge protected.
    - Security keys remain confidential.
    - 100% compliant with CIMS Ministry of Defense card, French government & police cards - “Cartes Agents”.

SSCP secure communication protocol

The open protocols SSCP and SSCP2 (STid Secure Common Protocol) use data encryption (AES) and two-way “reader-controller” authentication to ensure security before any communication is allowed between the reader and management system.
Welcome to High Security by STid

STid offers various options for connecting to your systems. In many cases, you can simply "plug & play", meaning major technological upgrades can be implemented in terms of badges and identification, without jeopardizing the system.

Reader communication with the card is autonomous. Architecture compatible with all systems on the market.

Decoder / Converter that supports the SSCP protocol, integrated into the secure area. "Plug & play" architecture instantly compatible with all systems on the market without development.

Two versions available:
- RS485 encrypted - TTL plain mode
- RS485 encrypted - RS485 plain mode

Dynamic reader control, integration of securities and secure protocols across the chain.

EasyRemote (read only) and RemoteSecure (read / write) interfaces are used to transfer security mechanisms and key storage in secure area. The transparent reader does not contain keys and the security is guaranteed across the chain. EasyRemote is conforms to the ANSSI architecture number 1.
Use your smartphone as your access key. Discover our services for secure, upgradable and simple mobile solutions.
Our mobile solutions

User-friendly and interactive
Smartphones have become an essential everyday tool. They are increasingly used in applications such as physical and/or logical access control, time management, company catering and more. Our solutions offer new possibilities for opening doors, with reading distances tailored to your needs.

High Security identification
Managing digital keys on a smartphone requires expert control of the security chain (telephone, reader and system). STid offers secure storage of keys while protecting all communications between the telephone and access terminal via RFID, Bluetooth® or NFC (HCE).

Easy access management
Users spend far too much time managing, configuring and replacing physical cards. Our mobile offers range from the most affordable to the most comprehensive to ensure central and intuitive management of mobile identities. We can meet all market needs with our choice of online and offline management methods.

NFC: Host Card Emulation (HCE)
There is now a new method known as Host Card Emulation (HCE) that lets an NFC terminal communicate directly as an RFID badge. The use of a security module such as the SIM card is no longer required to function in card mode.

Customizable NFC stickers
Whatever your mobile phone you have, our NFC sticker can turn it into your access card.

Cost-effective
Easy to setup
Compatible with SECARD
Interoperable
Compatible with all smartphones on the market.
User-friendly
Works when your smartphone is switched off
Customizable
S

Tid presents the new upgradable range of High Security card readers that use RFID, MIFARE® and Bluetooth® Smart (Low Energy) technologies. Architect® Blue is a secure and user-friendly identification solution that turns your mobile phone into an access key.
**Multi-modal identification**

Prox or Hands-free

4 identification modes for intuitive (patent-pending), smooth and easy management of your access points:

- **Card mode**
  by placing your smartphone in front of the reader

- **Slide mode**
  by placing your hand close to the reader without taking out your smartphone.

- **Tap Tap mode**
  by tapping your telephone twice in your pocket for near or remote opening.

- **Remote mode**
  by controlling your access points remotely.

These 4 modes are possible thanks to STid’s exclusive, patented technology that can differentiate between access points depending on their distance. This means that multiple Architect® Blue readers can be installed in the same area.

**High Security identification**

- Secure EAL5+ storage.
- Secure Bluetooth® Smart and Internet exchanges.
- Only Architect® Blue readers can communicate with the Virtual Card.
- Multi-factor authentication via smartphone (PIN code, biometrics, voice recognition, etc.) or via the functionalities of Architect® Blue readers (keypad, biometrics, etc.)
- Accelerometer-based tamper detection system to protect sensitive data.

**Multi-tech and interoperable**

- Works on major operating systems (Android™, iOS® and Windows Phone).
- Compliant with all chips: MIFARE®, NFC (HCE), Bluetooth® Smart, iCLASS® / PicoPass®, CPS3, etc.
- Multiple identification solutions: mobile phone, badge, key holders...

**100% customizable readers**

**Easy deployment**

- Download and activation of the STid Mobile ID application
- Activation of credentials via Web Server
- Loading of Virtual Card via INTERNET
- Management via STid Portal
- Management via Customer Portal
- Secure smartphone IDENTIFICATION
- Loading of Virtual Card via BLUETOOTH®
Every now and again, things come along that completely transform our way of thinking, creating new benchmarks and challenging our well-worn concepts.

With its range of innovative Architect® readers, STid has created the perfect blend of High Security and upgradability. This is the first modular range of secure RFID, NFC (HCE) and Bluetooth® Smart readers offering both flexibility and simplicity. Architect® readers are based on a common smart RFID core to which various interchangeable modules can be connected, such as card reader, keypad, touch screen, biometric device...

Create your own upgradable configuration

The Architect® series is intuitive and dynamic, and consists of 4 interchangeable modules that can easily be connected to a common smart RFID core. The concept can be tailored to your needs, offering the optimum solution for any situation and ensuring that all functionalities and security levels can be upgraded across all your readers.

This easy and cost saving modular approach lets you manage the security of your access points autonomously. The concept offers a greater degree of availability and services, while optimizing your inventory by reducing the number of parts needed by 40%.
High Security
Easy access to High Security

Multi-technology
Standing the test of time

Design
Ensure secure migrations

Scalable solution
Let your imagination flow

6 configurations
1 unique RFID core, 3 interchangeable covers and 1 biometric module
Architect® readers use the latest MIFARE® and LEGIC® contactless chip technologies with new data security mechanisms. All public encryption algorithms can be used (3DES, AES, RSA, SHA, etc.), which are recognized by official data security bodies (such as the French national agency ANSSI).

The innovative tamper protection system protects sensitive data and gives the possibility to delete the authentication keys (patent pending). Unlike the current solutions on the market (mechanical switches, optical sensors, reed switches, etc.), the reliability of the accelerometer-based technology avoids it being outsmarted.

The Architect® Blue range uses an EAL5+ cryptoprocessor to improve protection and privacy.

Ensure secure migration
The multi-technology Architect® range makes it easy to manage extensions, upgrades and technology migrations. Architect® readers can also be reprogrammed on site to upgrade to future technological options.

Readers are available in the following versions:

ISO14443 A & B / ISO18092 - read/write for MIFARE Ultralight® & Ultralight® C, MIFARE Classic® & Classic EV1, MIFARE Plus® & Plus® EV1, DESFire® EV1 & EV2 and NFC (HCE) chips, CSN for iCLASS® / PicoPass® chips and CPS3 cards (IAS protocol). The MIFARE® version can be combined with the secure, intuitive and user-friendly communication mode, Bluetooth® Smart (pages 18-19).

ISO14443A / ISO15693 / LEGIC® RF Standard - read for LEGIC® Advant and Prime chips, CSN for the entire MIFARE® range and iCLASS® / PicoPass® cards.
Let your imagination flow
A signature reflects personal style choices. The design of Architect® readers is immediately recognizable, with a dynamic and elegant style, featuring clean, pure lines. The Architect® range is elegant day or night thanks to its set of multi-colored, high-intensity LEDs.

STid offers a range of customization options to tailor your reader to your corporate identity and integrate it fully into its installation environment.

Configurable and multi-colored LEDs
(RGB, 360 colors)

Casing color choice

Logo printing

Tampography

Ink-jet printing HQ

Design and customization

People identification

Select your skin effect from many possibilities.

Some examples of customization:
Upgradable range
Architect® MIFARE® or LEGIC®

SECARD
SEGIC
RFID standard reader
13.56 MHz badge reader for all your High Security access control applications. Accelerometer-based tamper protection system. All-purpose mounting, compatible with European flushboxes. Multiple customization options: multi-colored LEDs, logo, casing color and texture effect.

0 - 8 cm 107 x 80 x 26 mm IP65 / IK10 -20 / +70°C

SECARD
SEGIC
RFID keypad reader
13.56 MHz card reader and backlit sensitive keypad. High Security multi-factor authentication. Use of keypad for identification or to activate associated functions (alarm, etc.) Accelerometer-based tamper protection system. All-purpose mounting, compatible with European flushboxes. Multiple customization options: multi-colored LEDs, logo and casing color.

0 - 6 cm 107 x 80 x 26 mm IP65 -20 / +70°C

SECARD
SEGIC
RFID reader with touch screen / keypad
13.56 MHz card reader with touch screen / keypad. Screen used as a keypad, display or control pad for associated functions (alarm, etc.) “Scramble pad” function for random number display. Accelerometer-based tamper protection system. Multiple customization options: multi-colored LEDs, casing color, image and text display, etc.

0 - 6 cm 128 x 80 x 31 mm IP65 -20 / +70°C

SECARD
SEGIC
RFID biometric reader
13.56 MHz biometric reader with digital fingerprint recognition. Fingerprint stored in the card (French CNIL standard), reader or client system. Accelerometer-based tamper protection system. All-purpose mounting, compatible with European flushboxes. Multiple customization options: multi-colored LEDs, logo and casing color.

0 - 8 cm 156 x 80 x 26/60 mm IP65 -10 / +50°C
## Our Architect® offer

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<tr>
<th>Model</th>
<th>Reference no.</th>
<th>MIFARE®</th>
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Download the sales brochure from [www.stid.com](http://www.stid.com) to find out more about the product.
Mini mullion reader Architect® One

Tid presents the most compact High Security MIFARE® Plus / DESFire® EV1 & EV2 / NFC (HCE) card reader ever.

Architect® One is a mullion RFID reader specially designed for installation in small spaces, for example on door uprights. Its small size and intelligent design make it easy to incorporate into any installation environment with no spacer required.

**Best size / security ratio**
- Ultra-compact design for High Security user identification.
- Accelerometer-based tamper detection system to protect sensitive data.
- Secure EAL5+ storage (according to version).

**Multi-technology**
- Compatible with the MIFARE® range, NFC (HCE), iCLASS® / PicoPass® (CSN), CPS3 (CSN) healthcare professional cards and more.
- Bluetooth® Smart (according to version).

**Easy installation**
- Round mounting holes for easy wall-mounting or narrow flushbox mounting.
- Plug-in / plug-out connector or rugged cable outlet, depending on applications.
- No spacer required for mounting on metal.

**100% Customizable**
- 360 LED colors.
- Your Corporate Logo printing.
- Casing color.

---

**Specifications**

- X = A - Rugged cable outlet, B - Plug-in/plug-out connector cable
- Contact us for the EAL5+ and Bluetooth® versions

- **People Identification**
- **Architect® One**
- **High Security Mullion reader**

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**Secard**

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<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>110 x 42 x 22 mm</td>
</tr>
<tr>
<td>IP65 / IK10</td>
<td>-20 / +70°C</td>
</tr>
<tr>
<td>Operating range</td>
<td>0 - 6 cm</td>
</tr>
<tr>
<td>Casing color</td>
<td>100% Customizable</td>
</tr>
<tr>
<td>LED colors</td>
<td>360</td>
</tr>
<tr>
<td>Corporate Logo</td>
<td>Printing</td>
</tr>
<tr>
<td>Casing color</td>
<td>Customizable</td>
</tr>
</tbody>
</table>

---

**Architect® One**

- **Mini mullion reader**
- **High Security**
- **Mullion reader**

---

**Contact**

- Tid Electronic Identification
- Phone: +46 8 547 75 00
- Email: info@tid.se
- Website: www.tid.se
Customizable wall switch reader - WAL

The WAL MIFARE® P / DESFire® EV1 & EV2 / NFC (HCE) reader has been specially designed for integration into flushboxes. Its subtle and user-friendly design meets the requirements of High Security access control facilities.

High Security and multi-technology

WAL is compatible with all MIFARE® and NFC (HCE) chips and uses the very latest data security mechanisms. Its innovative accelerometer-based tamper detection system offers the best self-protection system for erasing authentication keys when faced with a malicious act.

SECARD

| 0 - 5 cm | 4.5 x 4.5 mm (core) | Waterproof* | -20 / +70°C |

Ref. WALx-R3x-E-103 (RO CN) / WALx-R3x-E-P1 (RO) / WALx-R3x-E-PH5 (RO)
WALx-R33-E-PH6-74A (RO EasySecure) / WALx-S33-E-PH5 (RO Secure)
WALx-S33-E-PH6-74A (RO Secure EasySecure) / WALx-W3x-E-PH5 (RW)
x: 2 - standard version / 3 - slimline version compatible with Arnould Art Epure and Fusion

*Excluding connectors

Easy integration

Thanks to its ultra compact design, it can fit into all European flushboxes. The plug in / plug out connector and the round mounting holes make installation easier and quicker.

Design and customization

The WAL range is compatible with major electrical equipment brands, ensuring that the readers slot perfectly into their environment.

Two versions are available:

WAL2: standard model delivered with its STid cover, compatible with Arnould Espace Evolution and Legrand® Mosaic covers.

WAL3: slimline model compatible with the Arnould Art Epure and Fusion (made-to-measure) collection.

Multiple compatible covers

Multiple texture effects

Download the sales brochure from www.stid.com to find out more about the product.
HYBRID High Security reader range

The must-have reader range for all technology migration projects!

STid created the Hybrid dual-frequency reader range that draws on two identification technologies for easier migrations.

HYBRID reader 125 kHz + 13.56 MHz - LXS

The LXS HYBRID 125 kHz + 13.56 MHz reader allows for easy migration from one technology to another. Reads 125 kHz (EM, HID®, NEDAP®, Crosspoint, Arigna®) and 13.56 MHz (MIFARE Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus®, DESFire® EV1 & EV2, iCLASS® / PicoPass® in CSN, NFC, CPS3 in CSN) chips, in accordance with standards ISO14443 types A & B and ISO18092. Compatible for mounting on European flushboxes. Can be installed indoors or outdoors. CSN read only or secure read only versions.

<table>
<thead>
<tr>
<th>125 kHz</th>
<th>13.56 MHz</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 7 cm</td>
<td>0 - 5 cm</td>
<td>LXS-RXx-E-BF5 (RO) / LXS-SXx-E-BF5 (RO Secure) / LXS-RX3-E-BF5-7AA (RO EasySecure)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3.25 MHz</th>
<th>13.56 MHz</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 5 cm</td>
<td>0 - 5 cm</td>
<td>LXS-RXx-E-BF6 (RO) / LXS-SXx-E-BF6 (RO Secure) / LXS-RX3-E-BF6-7AM (RO EasySecure)</td>
</tr>
</tbody>
</table>

HYBRID reader 3.25 MHz + 13.56 MHz - LXS

The LXS HYBRID 3.25 MHz + 13.56 MHz reader allows for easy migration from one technology to another. Reads 3.25 MHz (EM) and 13.56 MHz (MIFARE Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus®, DESFire® EV1 & EV2, iCLASS® / PicoPass® in CSN, NFC, CPS3 in CSN) chips, in accordance with standards ISO14443 types A & B and ISO18092. Compatible for mounting on European flushboxes. Can be installed indoors or outdoors. CSN read only or secure read only versions.

<table>
<thead>
<tr>
<th>3.25 MHz</th>
<th>13.56 MHz</th>
<th>Ref.</th>
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</thead>
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<td>LXS-RXx-E-BF5 (RO) / LXS-SXx-E-BF5 (RO Secure) / LXS-RX3-E-BF5-7AA (RO EasySecure)</td>
</tr>
</tbody>
</table>

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<tr>
<th>3.25 MHz</th>
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<tr>
<td>0 - 5 cm</td>
<td>0 - 5 cm</td>
<td>LXS-RXx-E-BF6 (RO) / LXS-SXx-E-BF6 (RO Secure) / LXS-RX3-E-BF6-7AM (RO EasySecure)</td>
</tr>
</tbody>
</table>
STid has been awarded French First Level Security Certification (CSPN) for its High Security identification solution for access control.

**Prox Design CSPN reader - LXS**

The LXS CSPN vandal proof reader and its secure communication protocol SSCP V2 (STid Secure Common Protocol) have met all objectives in resisting physical and logical attacks against the security target.

Communication protocol SSCP2

Accelerometer-based tamper protection system

High vandal resistance

<table>
<thead>
<tr>
<th>0 - 5 cm</th>
<th>101 x 76 x 20 mm</th>
<th>IP65 / IK10</th>
<th>-20 / +70°C</th>
</tr>
</thead>
</table>

Ref. LXS-W33-E-PH5-7AD/1

STid has been awarded French First Level Security Certification (CSPN) for its High Security identification solution for access control.

**Standard Prox Design reader - LXS**

Reader compatible with all MIFARE®, iCLASS® / Picopass® (CSN), NFC and CPS3 (CSN) chips. Can be mounted on European flushboxes. Security and settings can be configured by badge or protocol.

<table>
<thead>
<tr>
<th>0 - 5 cm</th>
<th>101 x 76 x 20 mm</th>
<th>IP65 / IK10</th>
<th>-20 / +70°C</th>
</tr>
</thead>
</table>


**Workabout Pro 4 terminal - WP4**

Workabout Pro 4 terminal fitted with the MS 13.56 MHz read head. Mobile and temporary access control applications. Compatible with MIFARE Ultralight® C, Classic & Classic EV1, Plus®, DESFire® EV1 & EV2, Picopass® / iCLASS® (CSN), CPS3 (CSN), NFC. Integrated software tools (software demo).

<table>
<thead>
<tr>
<th>0 - 5 cm</th>
<th>IP65</th>
<th>-20 / +55°C</th>
</tr>
</thead>
</table>

Ref. WP4-R3X-A-PH5 (RO) / WP4-W3X-A-PH5 (RW)

Download the sales brochure from www.stid.com to find out more about the product.
EasySecure decoders
Secure Plug & Play communication

Decoders for data encryption and reader authentication via RS485 connection. Decryption and conversion into Wiegand/Clock&Data or RS485 for integration into standard local processing units.

97 x 49 x 34 mm

Ref. INT-R33-E (RS485 encrypted - TTL) / INT-R33-E-7AA/7AB (RS485 encrypted - RS485)

Compatible with all 13.56 MHz & Hybrid STid readers

Transparent reader decoders
Secure Plug & Play communication

Decoders that transfer the security keys and parameters into the secure area, making the reader "transparent" for direct communication with the chip. Information protected by SAM software identical to the CSPN certified reader (EasyRemote - read only) or by SSCP communication protocol (RemoteSecure - read / write).

97 x 49 x 34 mm

Ref. INT-E-5AA/7BB (RemoteSecure Host RS232) / INT-E-7AA/7BB (RemoteSecure Host RS485)
INT-R33-F/PH5-xx (EasyRemote)

*Also compatible with transparent Architect® One reader.
**13.56 MHz encoders and software**

**Architect® Desktop reader Encoder / Enroller**

3 versions available:
- Compatible with all MIFARE®, iCLASS® / PicoPass® (CSN), NFC (HCE) and CPS3 (CSN) chips.
- Compatible with LEGIC® Advant and Prime chips, CSN read for iCLASS® / PicoPass® and MIFARE® chips.
- Compatible with all MIFARE® chips + Bluetooth® Smart technology (EAL5+ storage).

Easy integration into office and logical access applications.

Multiple customization options.

Security and settings can be configured by card or protocol.

**Software**

**SECARD**

The must-have software tool for full control of your security. 13.56 MHz programming kit for creating physical and virtual "reader configuration" and "user" badges. The SECARD BIO version also includes a biometric module for the enrollment of digital fingerprints.

Ref. KITSECARD / KITSECARD-BIO
Ref. Bluetooth® KITSECARD-BT / KITSECARD-BT-BIO

**MIFARE® programming kit**

The 13.56 MHz programming kit for creating physical and virtual "reader configuration" and "user" badges. The SECARD BIO version also includes a biometric module for the enrollment of digital fingerprints.

Ref. KITSECARD / KITSECARD-BIO
Ref. Bluetooth® KITSECARD-BT / KITSECARD-BT-BIO

**SEGIC**

13.56 MHz LEGIC® programming kit for configuring readers via a serial connector (USB/RS232 or USB/RS485 converter cable supplied). The SEGIC BIO version also includes an enrollment desktop reader and a biometric module for enrollment of digital fingerprints.

Ref. KITSECARD / KITSECARD-BIO
Ref. Bluetooth® KITSECARD-BT / KITSECARD-BT-BIO

**LEGIC® programming kits**

13.56 MHz LEGIC® programming kit for configuring readers via a serial connector (USB/RS232 or USB/RS485 converter cable supplied). The SEGIC BIO version also includes an enrollment desktop reader and a biometric module for enrollment of digital fingerprints.

Ref. KITSECARD / KITSECARD-BIO
Ref. Bluetooth® KITSECARD-BT / KITSECARD-BT-BIO

**Enrollment kit**

Enrollment kit for MIFARE® and DESFire® EV1 & EV2 chips for reporting and/or reformatting identification tag numbers in all client applications (keypad emulation).

Includes: 13.56 MHz enrollment system + SWEDGE enrollment software.

Ref. SWEDGE-R35

**DEVKIT development kits**

Kits for integrating the secure SSCP/SSCP2 protocols and read/write functions of the Ultralight®C, MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1 and MIFARE® DESFire® EV1 & EV2 chips in your applications. Includes: DLL + API + encoder.

Ref. KITDEV/MIFAREGLOBAL (SSCP) / KITDEV/MIFAREGLOBALV2 (SSCP2)

Download the sales brochure from www.stid.com to find out more about the product.
125 kHz Prox Readers

Mini proximity reader - LXM
Small compact reader with the best size/performance ratio in its category. Its elegant and functional design is the perfect match for any inside or outside environment. EM chip reader. 50 cm or 3 m (7 wires) cable outlet. Protocol configured by card (TTL). Available in Bitechno version: HID and EM compatible.

Ref. LXM-R11 (RO TTL)

Standard Prox reader - LXS

Ref. LXS-R11 (RO TTL) / LXS-R12 (RO RS232) / LXS-R13 (RO RS485)

Mullion Prox Design reader - LXS
Excellent read performance (speed and distance) and superior resistance for use in any type of environment. EM chip reader. Ideal design for door uprights and frames. Terminal or cable outlet on request. Version compatible with NEDAP and Crosspoint.

Ref. LXE-R11 (RO TTL) / LXC-R11 (RO TTL) / LXC-R12 (RO RS232) / LXC-R13 (RO RS485)

Vandal-proof keypad Prox reader - LXC

Ref. LXC-R11 (RO TTL) / LXC-R12 (RO RS232) / LXC-R13 (RO RS485)
### People Identification

#### 3.25 MHz Standard Prox Design reader

3.25 MHz standard proximity reader. EM chip reader. Compatible for mounting on European flushboxes. Thanks to its ultra-resistant polycarbonate case, it can be used in indoor or outdoor environments.

- **Ref.** LXS-R21-A (RO TTL) / LXS-RXx-E-BF6 (RO) / LXS-SXx-E-BF6 (RO Secure)

#### Vandal-proof Prox Design reader - AVX

The AVX reader’s brushed case makes it extremely robust, offering the ideal proximity reader for difficult environments, with superior resistance to external attacks.

Protocol configured by card (TTL).

- **Ref.** AVX-R11 (RO TTL) / AVX-R12 (RO RS232) / AVX-R13 (RO RS485)

#### Desktop reader / encoder - STR

STR is a read / write desktop reader for reading and encoding 125 kHz cards and tags. STR is available in RS232 or USB and easily interfaces with all software applications (access control, payment, authentication, counterfeiting, etc.).

- **Ref.** STR-W12 (RW RS232) / STR-W15 (RW USB)

#### Enrollment kit

125 kHz enrollment kit for reporting identification tag numbers in all types of client applications (keypad emulation). User-friendly, practical and intuitive.

Included: STR 125kHz encoder / desktop reader + SWEDGE enrollment software.

- **Ref.** SWEDGE-W12 (RW RS232) / SWEDGE-W15 (RW USB)

Download the sales brochure from www.stid.com to find out more about the product.
STid has developed the 125 kHz and UHF EPC1 Gen 2 (ISO18000-63) hands-free reader range for smooth identification of moving people, with no constraints on the user.

### 125 kHz Design
**hands-free reader - L51**

Compact hands-free reader for optimum distance and reading comfort. EM chip reading. Automatic configuration function for quick and easy installation with optimized performance. Use in indoor and outdoor environments. **Protocol configured by badge (TTL).**

- **TTL**
- **RS232**
- **RS485**

<table>
<thead>
<tr>
<th>0 - 50 cm</th>
<th>41 x 29 x 5 cm</th>
<th>IP65</th>
<th>-20 / +70°C</th>
</tr>
</thead>
</table>

Ref. L51-R11 (RO TTL) / L51-R12 (RO RS232) / L51-R13 (RO RS485)

### Ultra compact UHF
**hands-free reader - GAT nano**

GAT nano is an extremely compact high performance UHF reader. Developed for hands-free access control applications, it offers exceptional coverage of up to 3 m for identifying moving individuals. It is specially designed to subtly slot into any identification areas in buildings or car park entrances.

- **Best size / performance ratio on the market**
- **Optimum reading reliability**
- **Plug & Play** - No electronic configuration
- **High resistance** to withstand crowded environments
- **Customizable**: 7 LED colors, company logo

<table>
<thead>
<tr>
<th>0 - 3 m</th>
<th>21.4 x 20.4 x 3.75 cm</th>
<th>IP65</th>
<th>-20 / +55°C</th>
</tr>
</thead>
</table>

Ref. GAN-RXx-E

Available in read / write version

Ref. GAN-Rxx-E

Contact us for the POE version

X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand
**UHF hands-free reader - GAT mono**

GAT mono is a high performance UHF reader developed for hands-free access control applications. It can identify people moving along a corridor up to 2 m wide.

- 3 mounting options: on poles, walls or ceilings.

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>0 - 2 m</td>
</tr>
<tr>
<td>Dimensions</td>
<td>80 x 30 x 5 cm</td>
</tr>
<tr>
<td>Protection</td>
<td>IP65</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20 / +55°C</td>
</tr>
</tbody>
</table>

Ref. GAT-RXx-E  
Available in read/write version

**GAT duo**

GAT duo is a high performance UHF gate reader developed for hands-free access control applications. It can identify individuals moving along a corridor up to 4 m wide by reading their UHF EPC1 Gen2 identification tag.

- 2 mounting options: pole or wall-mounted.

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>0 - 4 m</td>
</tr>
<tr>
<td>Dimensions</td>
<td>80 x 30 x 5 cm</td>
</tr>
<tr>
<td>Protection</td>
<td>IP65</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20 / +55°C</td>
</tr>
</tbody>
</table>

Ref. GAT-RXx-F  
Available in read/write version

**GAT duo + direction sensor and meter**

The RS485 gate version of GAT duo is available with an optional passage sensor system. It makes your RFID system smarter by detecting the passage of any individuals without a badge, by counting and analyzing the direction of movement in a specific area.

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>0 - 4 m</td>
</tr>
<tr>
<td>Dimensions</td>
<td>80 x 30 x 5 cm</td>
</tr>
<tr>
<td>Protection</td>
<td>IP65</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20 / +55°C</td>
</tr>
</tbody>
</table>

Ref. GAT-RXx-F/U04-7AC  
X = 4 - ETSI, 5 - FCC, 7 - Australia, 8 - New Zealand

Download the sales brochure from www.stid.com to find out more about the product.
Discover our comprehensive range of RFID identification tags

STid offers a wide range of multi-technology identification cards and devices (contact or contactless chip, magnetic strip, dual-frequency, dual-interface, NFC, etc.): ISO badges, key holders, wristbands disk tags, labels, etc.

STid boasts a comprehensive industrial process that includes all stages of design, research manufacture, insertion, customization, routing services, specific packaging and more. Discover our many customizable options (pages 40-41).

Technologies available

<table>
<thead>
<tr>
<th>RFID cards: 125 kHz</th>
<th>13.56 MHz</th>
<th>UHF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>125 kHz cards</strong></td>
<td><strong>Standards</strong></td>
<td><strong>Chips</strong></td>
</tr>
<tr>
<td>ISO14443A</td>
<td>EM4200, EM4550, EM4205, EM4305</td>
<td>Hitag 1, Hitag 2, HTS256, HTS2048, Hitag5R044</td>
</tr>
<tr>
<td></td>
<td>ATA5567, ATA5577</td>
<td></td>
</tr>
<tr>
<td><strong>13.56 MHz cards</strong></td>
<td><strong>Standards</strong></td>
<td><strong>Chips</strong></td>
</tr>
<tr>
<td>ISO14443A, ISO15693</td>
<td>MIFARE Ultralight® C, MIFARE® Classic &amp; Classic EV1 1K, 4K</td>
<td>MIFARE Plus®, Plus® EV1 5/8X 2K, 4K, DESFire® EV1 &amp; EV2 2K, 4K, 8K</td>
</tr>
<tr>
<td>ISO14443B, ISO15693</td>
<td>ISO14443B</td>
<td>ICODE SLI, ICODE SLI-5, X, L</td>
</tr>
<tr>
<td>ISO15693</td>
<td>ISO15693</td>
<td>Picopass™ 2K, 32K</td>
</tr>
<tr>
<td><strong>UHF cards</strong></td>
<td><strong>Standards</strong></td>
<td><strong>Chips</strong></td>
</tr>
<tr>
<td>ISO18000-63</td>
<td>ISO18000-63</td>
<td>Monza 4</td>
</tr>
<tr>
<td>IMPINJ</td>
<td>ISO18000-63</td>
<td>Higgs® 3</td>
</tr>
<tr>
<td></td>
<td>UCODE</td>
<td></td>
</tr>
</tbody>
</table>

Ref. CCT
RFID hybrid ISO cards & Accessories

**HYBRID 125 kHz + 13.56 MHz cards**

This badge integrates 125 kHz and 13.56 MHz MIFARE® (Classic, Plus®, DESFire® EV1) technologies for easier migrations of your contactless identification system. Optional magnetic strip available on request.

**HYBRID 125 kHz + UHF cards**

This badge integrates 125 kHz and UHF EPC1 Gen2 technologies for easier migrations or optimized management of your proximity and long range identification applications. Optional magnetic strip available on request.

**HYBRID 125 kHz + UHF cards**

This badge integrates 125 kHz and UHF EPC1 Gen2 technologies for easier migrations of your contactless identification system. Optional magnetic strip available on request.

**Accessories**

Multiple accessories are available:

- Flexible and rigid badge holders
- Lanyards
- Cords
- Clips and straps
- Flexible and rigid card cases, etc.

Find out more on page 57.

Download the sales brochure from www.stid.com to find out more about the product.
People Identification

RFID key holders

Prox Standard key holders - PCS
Proximity key fobs - 125 kHz or 13.56 MHz (in ABS).
Standard colors: black or white. Contact us for other colors or to find out more about customization services.

<table>
<thead>
<tr>
<th>125 kHz</th>
<th>13.56 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. PCS</td>
<td></td>
</tr>
</tbody>
</table>

Graphic Prox key holders - PCG
Ultra-robust graphic key fobs - 125 kHz or 13.56 MHz.
Standard colors: black, red, blue, green, yellow, white, grey. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>125 kHz</th>
<th>13.56 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. PCG</td>
<td></td>
</tr>
</tbody>
</table>

Design Prox key holders - PCD
125 kHz or 13.56 MHz polycarbonate Design key fobs.
Standard colors: black, red, blue, smoke, green. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>125 kHz</th>
<th>13.56 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. PCD</td>
<td></td>
</tr>
</tbody>
</table>

Round Prox key holders - PCP
Round key fobs - 125 kHz or 13.56 MHz in ABS (thickness: 1.6 mm).
Standard color: black. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>125 kHz</th>
<th>13.56 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. PCP</td>
<td></td>
</tr>
</tbody>
</table>

Epoxy Prox key holders - PCE
125 kHz Epoxy key fobs.
Standard color: black. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>125 kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. PCE</td>
</tr>
</tbody>
</table>

Leather Prox key holders - PCC
13.56 MHz leather key fobs.
Standard color: brown leather. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>13.56 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. PCC</td>
</tr>
</tbody>
</table>
Prox wristbands - BMS
Waterproof 125 kHz or 13.56 MHz proximity wristbands with nylon strap. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 kHz</td>
<td>BMS</td>
</tr>
<tr>
<td>13.56 MHz</td>
<td></td>
</tr>
</tbody>
</table>

Silicone wristbands - BSI
13.56 MHz silicone wristbands. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.56 MHz</td>
</tr>
<tr>
<td>Ref. BSI</td>
</tr>
</tbody>
</table>

NFC identification tags
Comprehensive range of Near Field Communication (NFC) tags. Contact us for more information.

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.56 MHz</td>
<td>ETS</td>
</tr>
</tbody>
</table>

Adhesive electronic labels - ETP
Adhesive plastic labels. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.56 MHz</td>
<td>ETP</td>
</tr>
</tbody>
</table>

Flexible adhesive disc tags - DTA
Adhesive thin disc tags in transparent PET. Dimensions: 20, 26, 40, 50 mm diameter / Thickness: 0.5 mm.

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 kHz</td>
<td>DTA</td>
</tr>
<tr>
<td>13.56 MHz</td>
<td></td>
</tr>
</tbody>
</table>

PVC disc tags - DTP
PVC disc tags. Thickness: 2 mm. Contact us to find out more about customization services.

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 kHz</td>
<td>DTP</td>
</tr>
<tr>
<td>13.56 MHz</td>
<td></td>
</tr>
</tbody>
</table>
STid Tag Service

Customization of RFID cards & tags

Made-to-measure expertise

STid Tag Service creates added value in your contactless identification applications by visual and technological customization of your RFID identification tags. STid can meet all your requirements thanks to its tailor-made customization service. Our processes and equipment offer you bespoke card production, with fast response times and high quality customization.

Managing data security and confidentiality

All your sensitive data handled by Tag Service are stored securely and confidentially (covered by a non-disclosure agreement). All technical card customization services (encoding, mapping, etc.) are managed over a secure link.

Our DTP skills at your disposal

STid supports you in the production of your visuals. A team of qualified graphic designers is on hand to help produce all your graphics.

Customization services for all your RFID applications

- Secure data printing for more secure access
- Business card background printing in line with your corporate identity
- User data printing to bring people together and improve interaction
- Gold or silver high quality printing for special events
Graphic customization options

- Full color printing (up to 3600 dpi)
- Monochrome printing
- Sequential numbering printing
- Physical numbering printing
- Metal-effect printing
- Marking* (key holders)
- Variable HD graphic customization under overlay
- Insertion of a contact module
- Laser serialization
- Phone sticker or smart object integrated into the card
- Indoor & outdoor multi-technology sticker (NFC, HF, LF, UHF)

* Various printing types are available: laser, inkjet, thermal transfer.

Customized encoding

The encoding of programmable badges makes it easier to implement your access control system. Contact our Tag Service for more information.

Security customization options

Security ink
- UV / Fluorescent
- Bi-fluorescent
- IR

RFID chip and antenna
Mono-technology or dual-frequency (HYBRID) versions

Additional services
- Writing of letters, matching, mail merge
- Specific packaging (boxes, wrappings, etc.)
ATEX & IECEx certified readers

RFID identification in explosive environments

ATEX & IECEx certification

Our solutions comply with international standards:
- ATEX (EN60079) and IECEx certifications
- European directives (99/92/CE and 94/9/CE)

Each reader is explosion proof (Ex II 2 GD IP66).
RFID lets users manage information used for supplying and verifying production and maintenance processes, leading to greater security in explosive and isolated areas. STid has developed a comprehensive range of ATEX & IECEx certified RFID readers in order to meet two key industry requirements - security and reliability. Our solutions are especially suited to all your identification and track and trace applications that require equipment to be protected against explosions, such as the chemical or petrochemical sectors, refineries or nuclear power plants, etc.

Applications in extreme environments

- Access control
- Identification of vehicles and trucks
- Industrial track and trace
- Logistics
- Tracking of containers, deposits, pallets, etc.
ATEX & IECEx certified readers
125 kHz & 13.56 MHz

ATEX & IECEx Proximity readers - ATX

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

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

**Versions available**

<table>
<thead>
<tr>
<th>Chip compatibility</th>
<th>13.56 MHz MIFARE®</th>
<th>13.56 MHz LEGIC®</th>
<th>125 kHz</th>
<th>Hybrid 125 kHz + 13.56 MHz</th>
</tr>
</thead>
</table>

| Reading distances | 0 - 4 cm | 0 - 15 cm | 0 - 4 cm (13.56 MHz) | 0 - 5 cm (125 kHz) |

| Dimensions | 270 x 310 x 180 mm |

| Operating temperatures | -20°C to +70°C |

| Resistance | IP66 |

STid has developed a comprehensive range of high performance ATEX and IECEx certified UHF readers for all your applications for tracking critical objects and identifying vehicles in explosive environments. Our EX II 2 GD IP66 explosion-proof readers are well-suited to the chemical, petrochemical and nuclear industries, among others.

### Marking
- CE marking: BKI 08 ATEX 0048
- Approved type: GUB
- Ex II 2 GD (G: Gas / D: Dust)
- II 2G Ex d IIB T6 Gb
- II 2D Ex tb IIIC T85°C Db IP66

### Applications in explosive environments
- People Identification
- Asset tracking of objects
- Identification of vehicles and trucks
- Automated plant processes
- Track pallets, deposits, containers and more

### Technical Specifications

<table>
<thead>
<tr>
<th>ATX UHF</th>
<th>ATX2 UHF</th>
<th>ATX3 UHF</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPC1 Gen 2 / ISO18000-63</td>
<td>0 - 4 m</td>
<td>0 - 6 m</td>
</tr>
<tr>
<td>270 x 310 x 174 mm</td>
<td>210 x 210 x 150 mm</td>
<td></td>
</tr>
<tr>
<td>-20°C to +50°C</td>
<td>-20°C to +50°C</td>
<td></td>
</tr>
<tr>
<td>IP66</td>
<td>IP66</td>
<td></td>
</tr>
<tr>
<td>ATX-RX0-E (RO)</td>
<td>ATX2-RX0-E (RO)</td>
<td>ATX3-RX0-E (RO)</td>
</tr>
<tr>
<td>ATX-WX0-E (RW)</td>
<td>ATX2-WX0-E (RW)</td>
<td>ATX3-WX0-E (RW)</td>
</tr>
</tbody>
</table>

Download the sales brochure from www.stid.com to find out more about the product.
STid offers an innovative range of passive RFID readers and identification tags to optimize access to parking lots and manage traffic flows.
Secure controlled management of vehicle access

Unique multi-application offer
We have drawn on our unique expertise to develop an innovative range of RFID passive (battery-free) readers and identification tags to optimize access to parking lots and manage traffic flows. Our solutions can be easily used for access control or fleet and parking management applications.

Unrivaled identification performance and reliability
Our long-distance identification equipment offers exceptional performance and can detect a vehicle from up to 10 m (33 feet) without using active technologies, which are more expensive to purchase and maintain.

Comprehensive range of innovative readers and tags
Our high performance UHF readers can be used in any environment. STid readers can be adapted to any vehicle identification project, whether involving an integrated or remote antenna or a multi-lane identification system. Their installation requires no electronic configuration (Plug & Play). They are instantly compatible with existing architecture.

TeleTag is fitted to the windshield inside the vehicle. It can be installed temporarily or permanently thanks to its smart attachment system.
UHF medium-range reader
UROne

UHF long-range reader
URC
High performance long-distance reader - Identification up to 10 m. EPC1 Gen2 / ISO18000-63 technology. I/O: ground control loop option for traffic light management, etc. Ultra-resistant and waterproof casing Protocol configured by card (RO).

UHF long-range, upgradable reader with 1 or 2 antenna(s) URC2
First modular UHF EPC1 Gen2 / ISO18000-63 reader to offer both high performance and simplicity. Best price/performance ratio on the market. Possibility of adding an additional antenna for 2-lane installations (in/out) or for identification of a uniform fleet of vehicles. Easy to integrate and install: flexible cables, Plug & Play, low road work fees, space saving, etc. Protocol configured by card (RO).

Long-distance UHF reader with multiple UHF antennas - URD
High-performance multi-antenna reader - UHF EPC1 Gen2 / ISO18000-63. Connect up to 4 antennas to identify 4 lanes of vehicles. Identification up to 10 m. I/O: ground control loop option for traffic lights, etc. Ultra-resistant and waterproof case Protocol configured by badge (RO).
UHF Ultra compact hands-free reader - GAT nano


- **Specifications:**
  - **Dimensions:** 294 x 204 x 37.5 mm
  - **IP Rating:** IP65
  - **Temperature Range:** -20° / +55°C

**Available in read / write version**
Ref. GAN-WXx-E (RW)
Contact us for the POE version
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

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**Movable wind screen tags - TeleTag**
UHF EPC1 Gen2 / ISO18000-63 high performance movable tags designed to be attached to windshields. 100% battery-free for virtually unlimited product life.

- **Specifications:**
  - **Dimensions:** 70 x 30 x 11 mm
  - **Frequency:** 866 MHz, 915 MHz

**Available in dual-frequency versions (125 kHz + UHF / 13.56 MHz + UHF).**
Ref. CCT / CCTWR

---

**Windscreen labels - ETA**
High-performance UHF EPC1 Gen2 / ISO18000-63 stickers that can be removed and destroyed (optional), specially designed to be attached to windshields. Contact us to find out more about customization services.

- **Specifications:**
  - **Dimensions:** 96.5 x 23.2 mm
  - **Frequency:** 866 MHz, 915 MHz, 125 kHz

**Available in dual-frequency versions (125 kHz + UHF / 13.56 MHz + UHF).**
Ref. CCT / CCTWR

---

**ISO UHF cards**
UHF EPC1 Gen2 / ISO18000-63 ISO cards compatible with the GAT and GAT nano reader range. Contact us to find out more about customization services. Available in dual-frequency versions (125 kHz + UHF / 13.56 MHz + UHF).

- **Specifications:**
  - **Dimensions:** 107 x 80 x 26 mm
  - **IP Rating:** IP65 / IK10
  - **Temperature Range:** -20° / +70°C

**Architect® Blue Reader**

13.56 MHz MIFARE™ badge and Bluetooth® Smart phone reader. Use the intuitive modes for a free-flowing identification driver:
- Remote mode by controlling your access points remotely
- Hands-free mode

Accelerometer-based tamper protection system. All-purpose mounting, compatible with European flushboxes. Multiple customization options: multi-colored LEDs, logo, casing color and texture effect.

- **Specifications:**
  - **Dimensions:** 107 x 80 x 26 mm
  - **IP Rating:** IP65 / IK10
  - **Temperature Range:** -20° / +70°C

**Contact us** for more information.
UHF vehicle readers & software

**UHF programming kit**

UHF programming kit to program reader configuration and user cards.

Ref. KITULTRYS-ETSI / KITULTRYS-FCC / KITULTRYS-MA
KITULTRYS-AUS / KITULTRYS-NZ

**UHF enrollment kit**

UHF enrollment kit for reporting identification tag numbers in all types of client applications (keypad emulation). Includes: UHF reader + SWEDGE software.

Ref. SWEDGE-WX5
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

**Desktop reader / Encoder GAT desk**

UHF high performance desktop reader / encoder. Quick and reliable reading for simultaneous reading and encoding of multiple tags. EPC1 Gen2 / ISO18000-63.

Ref. GAD-RX5-E (RO) / GAD-WX5-E (RW)
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

**UHF development kit DEVKIT SSCP**

Kit for integrating the SSCP protocol and UHF read / write functions. This kit contains software tools (DLL for Windows).

Ref. KITDEVUHF-ETSI / KITDEVUHF-FCC / KITDEVUHF-MA
KITDEVUHF-AUS / KITDEVUHF-NZ

**Desktop reader / Enrollment encoder - STR**

UHF reader designed to read, enroll and program UHF EPC1 Gen2 / ISO18000-600 identification tags.

Ref. STR-RX5-E (ETSI RO) / STR-WX5-E (RW)
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

**Terminal Workabout Pro 4**

Terminal fitted with the STid UHF read head. Integrated software tools (Software demo + DLL Windows CE®). EPC1 Gen2 / ISO18000-63.

Ref. WP4-WX4-6 (RW)
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand
SolarGuard® is a fully autonomous RFID UHF terminal designed to meet contactless identification needs in the supply chain, logistics, transport and tracking sectors. SolarGuard® defies problems associated with existing infrastructure and withstands harsh environments (humid or corrosive environments, temperature variations, etc.).

- **High-speed contactless identification**
  Identification of a vehicle traveling at over 300 km/h.

- **100% wireless**
  Solar panel and storage battery.
  GSM / GPRS communication.

Ref: SGD-R47 (ETSI) / SGD-R57 (FCC)

Download the sales brochure from www.stid.com to find out more about the product.
125 kHz & 13.56 MHz
OEM modules

125 kHz Prox module - MS
Ultra-compact 125 kHz module. Available in read only (up to 7 cm) or read/write (up to 3.5 cm) versions. Integrated antenna. Resin casing.

Ref. MS-Rx (RO) / MS-Wx (RW)

125 kHz Prox module - MDS
Compact 125 kHz module. Available in read only version (up to 19 cm with 7 x 9 mm antenna*). Resin casing.
*Supplied separately

Ref. MDS-Rx

13.56 MHz High Security
Mini Module - MA-One
Compliant with MIFARE Ultralight® C, Classic & Classic EV1, Plus®, DESFire® EV1/EV2, iCLASS® / PicoPass® (CSN), NFC, CPS3 (CSN) Bluetooth® (according to version). Read only or read / write. Advanced security functions: 3DES, AES. Rugged cable outlet and plug-in/plug-out connector cable versions. Integrated antenna.

Ref. MA1-Rx1-X-PH5 (RO) / MA1-S3x-X-PH5 (RW)

13.56 MHz MIFARE® Architect®
& LEGIC® modules - SE2 & SE2L
Modules for Architect® readers. Electronic boards without antenna. SE2 compatible with all MIFARE®, iCLASS® / PicoPass® chips. Also available in Bluetooth® Smart and EAL5+ secure storage. SE2L compatible with LEGIC® Advant & Prime, CSN for all MIFARE®, iCLASS® / PicoPass® chips. Advanced security functions: 3DES, AES.

Ref. LEGIC® SE2-L/LE2 (RO & RW Secure)

13.56 MHz High Security
module - MS
Compliant with MIFARE Ultralight® C, Classic & Classic EV1, Plus®, DESFire® EV1 & EV2. Read only or read / write. Advanced security functions: 3DES, AES. Integrated antenna.

Ref. MS-R3x-E (RO) / MS-S3x-E (RW Secure) / MS-W3x-E (RW)

13.56 MHz High Security
module - MXS
Compatible with MIFARE Ultralight® C, Classic & Classic EV1, Plus®, DESFire® EV1 & EV2. Read only or read / write. Advanced security functions: 3DES, AES, RSA. Integrated antenna.

Ref. MS-R3x-E-X3x (RO CSN) / MS-S3x-E-PH5 (RO) / MS-W3x-E-PH5 (RW Secure)
**Mini UHF Low Power module - URL**

Optimized electronics for the best price / performance ratio.
EPC1 Gen2 / ISO18000-63 technology.
Monostatic antenna port with MMCX connector.
RF power: up to + 13 dBm.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Temp Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>58 x 54 x 9 mm</td>
<td>-10 / +55°C</td>
</tr>
</tbody>
</table>

Ref: URL-WX0-A
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

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**Mini UHF High Performance module - URi**

Optimized electronics for the best price / performance ratio.
EPC1 Gen2 / ISO18000-63 technology.
Monostatic antenna port with MMCX connector.
RF power: up to + 25.5 dBm.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Temp Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>58 x 54 x 9 mm</td>
<td>-10 / +55°C</td>
</tr>
</tbody>
</table>

Ref: URI-WX1-A
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

---

**Medium Power UHF module - URM**

High performance module.
EPC1 Gen2 / ISO18000-63 technology.
Bistatic antenna port with 2 SMA connectors.
RF Power: + 27 dBm.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Temp Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 x 70 x 20 mm</td>
<td>-10 / +55°C</td>
</tr>
</tbody>
</table>

Ref: URM-WX2-A
X = 4 - ETSI, 5 - FCC, 7 - Australia, 8 - New Zealand

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**Full Power UHF Module - URF**

Multi-antenna high-performance module.
EPC1 Gen 2 / ISO18000-63 technology.
4 monostatic antenna ports with 4 SMA connectors.
RF power: up to + 33 dBm.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Temp Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>170 x 135 x 30 mm</td>
<td>-10 / +55°C</td>
</tr>
</tbody>
</table>

Ref: URF-WX2-A
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

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* Only when in “autonomous” mode via SSCP

Download the sales brochure from www.stid.com to find out more about the product.
**Standard interchangeable cover - SE3**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimensions</th>
<th>IP Rating</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE3 (MIFARE® or LEGIC®) / SE3B (Bluetooth®)</td>
<td>107 x 80 x 26 mm</td>
<td>IP65 / IK10</td>
<td>-20 / +70°C</td>
</tr>
</tbody>
</table>

**Keypad interchangeable cover - SE4**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimensions</th>
<th>IP Rating</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE4 (MIFARE®) / SE4B (Bluetooth®) / SE4L (LEGIC®)</td>
<td>107 x 80 x 26 mm</td>
<td>IP65</td>
<td>-20 / +70°C</td>
</tr>
</tbody>
</table>

**Interchangeable touch screen cover - SE5**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimensions</th>
<th>IP Rating</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE5 (MIFARE® or LEGIC®) / SE5B (Bluetooth®)</td>
<td>128 x 80 x 31 mm</td>
<td>IP65</td>
<td>-20 / +70°C</td>
</tr>
</tbody>
</table>

**Architect® biometric module - SE6**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimensions</th>
<th>IP Rating</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE6</td>
<td>128 x 80 x 31 mm</td>
<td>IP65</td>
<td>-20 / +70°C</td>
</tr>
<tr>
<td>SE6A</td>
<td>60 x 80 x 62 mm</td>
<td>IP65</td>
<td>-10 / +50°C</td>
</tr>
</tbody>
</table>

**Secure smart fix base - SE1**
Secure Smart Fix base compatible with European flushboxes.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimensions</th>
<th>IP Rating</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE1</td>
<td>107 x 80 x 26 mm</td>
<td>IP65</td>
<td>-20 / +70°C</td>
</tr>
</tbody>
</table>

**Reinforcing mounting for biometric module - SE7**
Optional reinforced metal mounting for biometric module. Two versions available depending on reader size.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimensions</th>
<th>IP Rating</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE7-ARC-DE / SE7-ARC-F</td>
<td>107 x 80 x 26 mm</td>
<td>IP65</td>
<td>-20 / +70°C</td>
</tr>
</tbody>
</table>
Spacer for Architect® readers

Stackable adapter spacers with cable holes for mounting Architect® MIFARE® and LEGIC® readers on door uprights.

*96 x 80 x 8 mm*

Ref. SE8

Bases for LXS / LXE readers

Bases for easier access to cabling and / or to provide distance from metal surfaces. Reader height: 7 mm. Secure base version with integrated self-protect switch.

Ref. BCK / BCK-S

UHF reader / antenna mounting kits

Adjustable mounting kits for optimal installation of your UHF antennas and readers. 3 versions available: mast-mount, wall-mount and mixed.

Ref. KFX-UHF

GAT / GAT nano kits

Mounting kits for UHF, GAT and GAT nano readers. 2 versions available: pole-mount and adjustable wall-mount.

Ref. KFX-GAT / KFX-GAN

UHF antenna cables

Cables to connect STid UHF antennas to UHF high performance readers: URC2, URD, ATX2 and ATX3. Available in N connector versions: 1.5 m, 3 m and 9 m.

Ref. CAB

Interface mounting kit


Ref. KFX-DIN

Download the sales brochure from www.stid.com to find out more about the product
Secure AVX screw kit

Screw kit for AVX reader:
- 4 "snake-eye" security screws
- 4 knurled brass anchors
- 1 tool for "snake-eye" screws

Ref. KIT-AVX

Converters

Smart converter RS232 - RS485.
Converter cables RS232 - USB and RS485 - USB.
Wiegand converter <-> RS232 / RS485.

Ref. CAB-RS232-USB / CNV-USB-485 / INT

Power supply

Power supply for hands-free 125 kHz (L51) readers and UHF readers (LROne, URC, URC2, URD, GAT, GAT nano, GAT desk, etc.)

Ref. ALM2V500MA (125 kHz) / ALM2V3A (UHF)

Enrollment system / display for MS and MDS

Reader / enrollment system demo kit for MS and MDS modules. Displays the code read and sends it simultaneously via a serial connector.

Ref. DKMS / DKMDS

MorphoSmart™ fingerprint reader

Reader for enrolling digital fingerprints. Use with the SECARD software (versions 1.2 and later) & SEGIC.
Delivered with the SECARD-BIO and SEGIC-BIO kits.

Ref. MSQ_1300

Configuration badge and life signal card kit

Protocol configuration cards for 125 kHz, 13.56 MHz and 13.56 MHz Architect® readers. Life signal management badges for 13.56 MHz readers.

Ref. KIT-BC / KIT-BC-ARC
**Crystal rigid card holder**
Secure crystal rigid card holder in polypropylene with 1 side opening.
Ref. PB-IDP-65

**Polycarbonate rigid card holder**
Frosted polycarbonate rigid card holder - Horizontal.
Ref. PB-IDP-69

**UHF card holder**
Polypropylene UHF card holder with 1 cm spacer for optimized identification.
Ref. PBDD1

**Lanyard**
Polyester fine satin lanyard (10 mm wide) - Secure break system - Black plastic zip.
Ref. TC-ZPPB

**Metal clip for card holder**
Card holder clip with reinforced strap and metal snap button.
Ref. Passc001

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**STid Tag Service**
Custom smart cards & tags

**Customization services**
STid offers a wide range of services for your RFID cards, wristbands, key holders and tags, for increasing the security of your access control or simply customizing them in line with your corporate identity. Find out more on pages 40-41.
Training programs tailored to RFID products and technologies

Boost your RFID skills
STid seeks to help you improve your skills, update your knowledge of RFID technologies and set yourself apart with innovative know-how thanks to our RFID training programs tailored to your business.

STid offers our French and international clients a wide range of training programs with the aim of providing technical knowledge suited to your sector thanks to our unique expertise in contactless technologies.

Approved training center
Our training programs follow a curriculum that has been validated by certification bodies and are modular to meet the needs of your sales and technical departments.

STid is a subsidized training institution, registered under no. 93 13 13328 13. Our training programs are therefore subject to French continuing education funding mechanisms.
**Introduction to RFID**

This module focuses on common uses of RFID, helping you understand existing technologies, international standards, stakeholders and benefits across the value chain. Discover RFID through a number of example applications (access control, NFC, industrial maintenance, etc.).

Ref. FORMATION_CAT2_N1

**MIFARE Plus®, DESFire® EV1 & EV2 technologies - Level 1**

This High Security module focuses on the integration of 13.56 MHz MIFARE Plus®, DESFire® EV1 & EV2 technologies into access control systems. Learn to manage cryptology mechanisms (authentication, confidentiality, AES, 3DES, SHA, etc.). Discover applications thanks to multiple practical examples.

Ref. FORMATION_CAT2_N3

**MIFARE Plus®, DESFire® EV1 & EV2 technologies - Level 2**

This advanced High Security module focuses on the development of applications that use 13.56 MHz MIFARE Plus®, DESFire® EV1 & EV2 technologies in access control systems, while installing a secure communication protocol on the system.

Ref. FORMATION_CAT2_N4

**UHF - Issues and applications for industrial tracking**

This module provides knowledge in the fields of automatic identification of objects, products, logistics units or maintenance. Using practical examples, learn all about passive UHF technologies (EPC Gen2 / ISO18000-63) to understand your projects and specific specifications in difficult environments: read distances, speed, etc.

Ref. FORMATION_CAT2_N5

**UHF - Issues and applications for vehicle identification**

This module focuses on the development of UHF technology in line with EPC Gen2 / ISO18000-63 standards. It ensures that you meet specifications for high read speeds and distances. Discover how this technology is applied thanks to practical examples of vehicle access control.

Ref. FORMATION_CAT2_N2

**UHF - Issues and applications for industrial tracking in the aerospace sector**

This module provides knowledge in the fields of automatic identification of objects with high added value, metal parts, logistics units or maintenance in the aerospace sector. It focuses on the development of UHF technologies in extreme environments, in line with EPC Gen2 / ISO18000-6C, ATA Spec 2000 Chap 9-5 standards and DO160 / SAE AS5678 tests.

Ref. FORMATION_CAT2_N6
Our products and services
People Identification

<table>
<thead>
<tr>
<th>Model</th>
<th>Applications</th>
<th>Functionalities</th>
<th>Security</th>
<th>Technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Proximity</td>
<td>Hands-free</td>
<td>Keypad</td>
<td>Display</td>
</tr>
<tr>
<td>ARC One</td>
<td></td>
<td>Bluetooth®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARC-A</td>
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<td>Bluetooth®</td>
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</tr>
<tr>
<td>ARC-B</td>
<td></td>
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This table presents the functionalities and specifications of all our RFID card readers for people access control applications. Note that there are sometimes several reference numbers for a single model. Please contact us for more details about any of our references.
This table presents the functionalities and specifications of all our RFID card readers for people access control applications.

Note that there are sometimes several reference nos. for a single model. Please contact us for more details about any of our references. * Certified security component.
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*Adjustable reading distance as needed.
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*Also available in POE version.