STid

Electronic Identification

Catalog

People & vehicle access control solutions

Designed in France

www.stid.com

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.

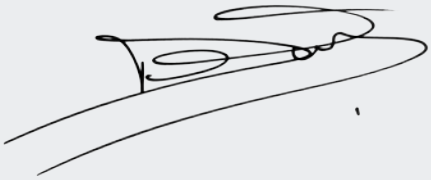
"Supporting you in all your projects"

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.

+ High security Identification

Access Security

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.

People

High Security Identification for physical and logical access control.

Vehicles

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

+ 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.

- Aerospace
- Healthcare
- Automotive
- Energy
- Rail Transport
- Oil and Gas

Our values

Innovation

over 5 smart products each year

Experience

over 20 years of R&D in RFID

Human touch

over 500 trusted partners across the world

Quality policy

ISO 9001 | 2008 certified quality

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

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
BUREAU VERITAS
Certification

Quality department
qualite@stid.com
+33 (0)4 42 12 60 60

Global reach

over 50 countries in our network

▶ **1** head office
France

▶ **4** sales offices

1 HEAD OFFICE
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Levels 5 & 6
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Varsovia 57, Interior 501
Colonia Juárez, CP 06600
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Marketing: marketing@stid.com
Support: support@stid.com

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

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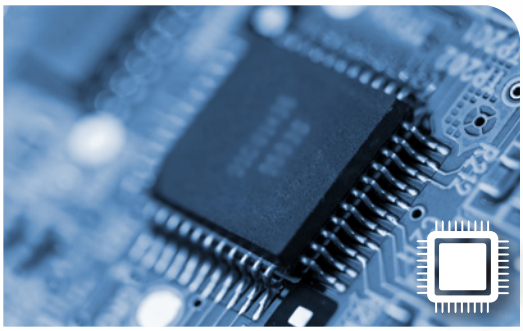


Symbols key
Functions and interfaces

Read only | Read/Write | TTL | RS232 | RS485 | TCP-IP | USB | WIFI | Bluetooth® | Vandal proof

People Identification

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 cardswithout 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.

+ Comprehensive multi-tech offer

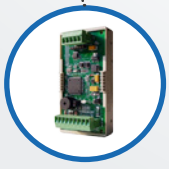
STid designs, develops and markets a wide range of upgradable readers for High Security RFID badges and NFC & Bluetooth® smartphones. Our readers support all the major card and identification technologies.

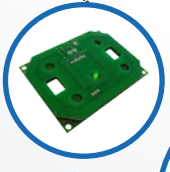

Readers


Readers / Keypads


Biometric readers


Encoders


Smart interfaces


OEM


ATEX & IECEx readers

+ 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.

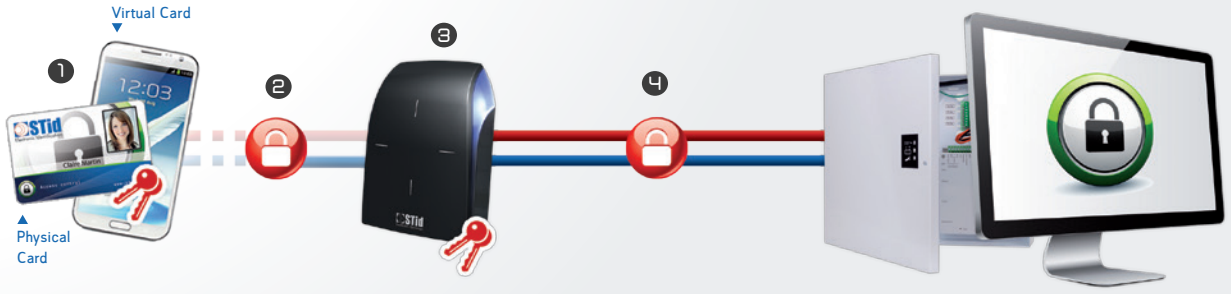
+ Seamless security

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



1 PROTECTING CARD DATA
THREATS: copies, modification
COUNTERMEASURES: secure encryption, algorithms public-key cryptography in EAL4+ chips

2 PROTECTING COMMUNICATION BETWEEN THE CARD & READER
THREATS: recording, interception, play back
COUNTERMEASURES: authentication and encryption

3 PROTECTING THE READER FROM PHYSICAL AND LOGICAL THREATS
THREATS: substitution, retrieval of key data
COUNTERMEASURES: secure parameter loading and storage, self-protection

4 PROTECTING COMMUNICATION WITH THE SYSTEM
THREATS: tapping, interception play back
COUNTERMEASURES: authentication and encryption

*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:
Autonomous 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.

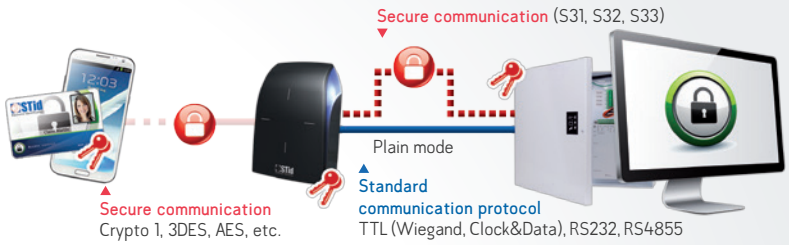
- Open, non-secret protocol
- Cryptography using public algorithms
- Reader authentication (session keys)
- Signature, encryption
- User keys management
- Selection of communication method and security level (plain text, signed, encrypted, signed and encrypted)

+ Simplified integration: modular upgradable architecture

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.

1 Secure read only

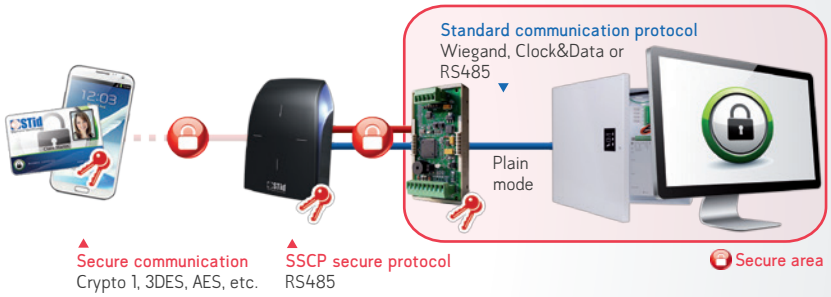
SECARD



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

2 Read only and secure communication with decoder

SECARD



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

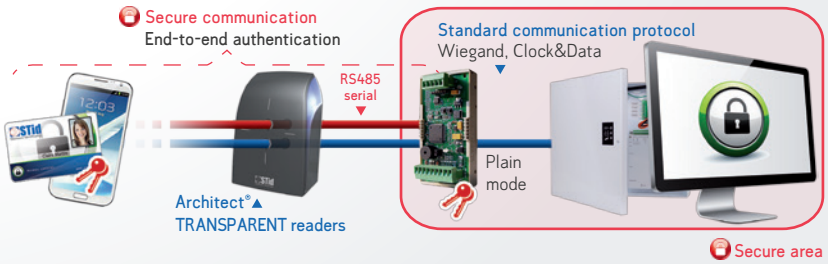
3 Secure read / write

SSCP

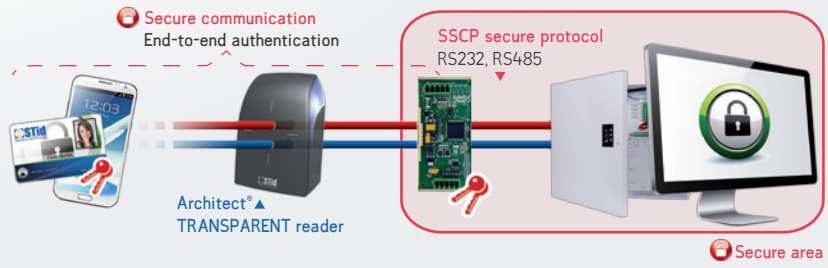
Dynamic reader control, integration of securities and secure protocols across the chain.

4 Transparent reader decoders

SECARD



SSCP



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.

Our mobile solutions
NFC & Bluetooth®

Use your smartphone as your access key.
Discover our services for secure, upgradable and simple 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

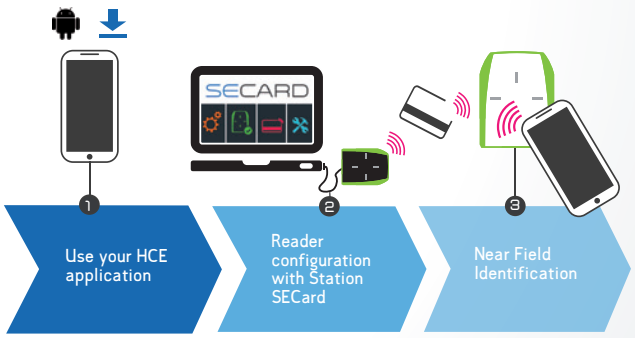
Managing digital keys on a smartphone requires expert control of the security chain (telephone, reader and system). STid offers secure storage of keys while protecting all communications between the telephone and access terminal via RFID, Bluetooth® or NFC (HCE).

+ 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)

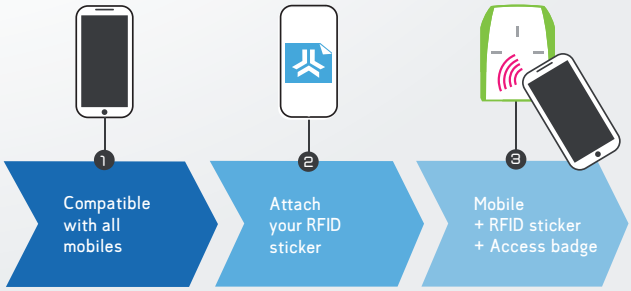
There is now a new method known as Host Card Emulation (HCE) that lets an NFC terminal communicate directly as an RFID badge. The use of a security module such as the SIM card is no longer required to function in card mode.



The Architect® and WAL readers are compliant with NFC communication (HCE).

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**

ARCHITECT® BLUE

IDENTIFY . TOUCH . CONTROL

STid 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.

Bluetooth® SMART

NFC Near Field Communication

+ 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

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

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

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

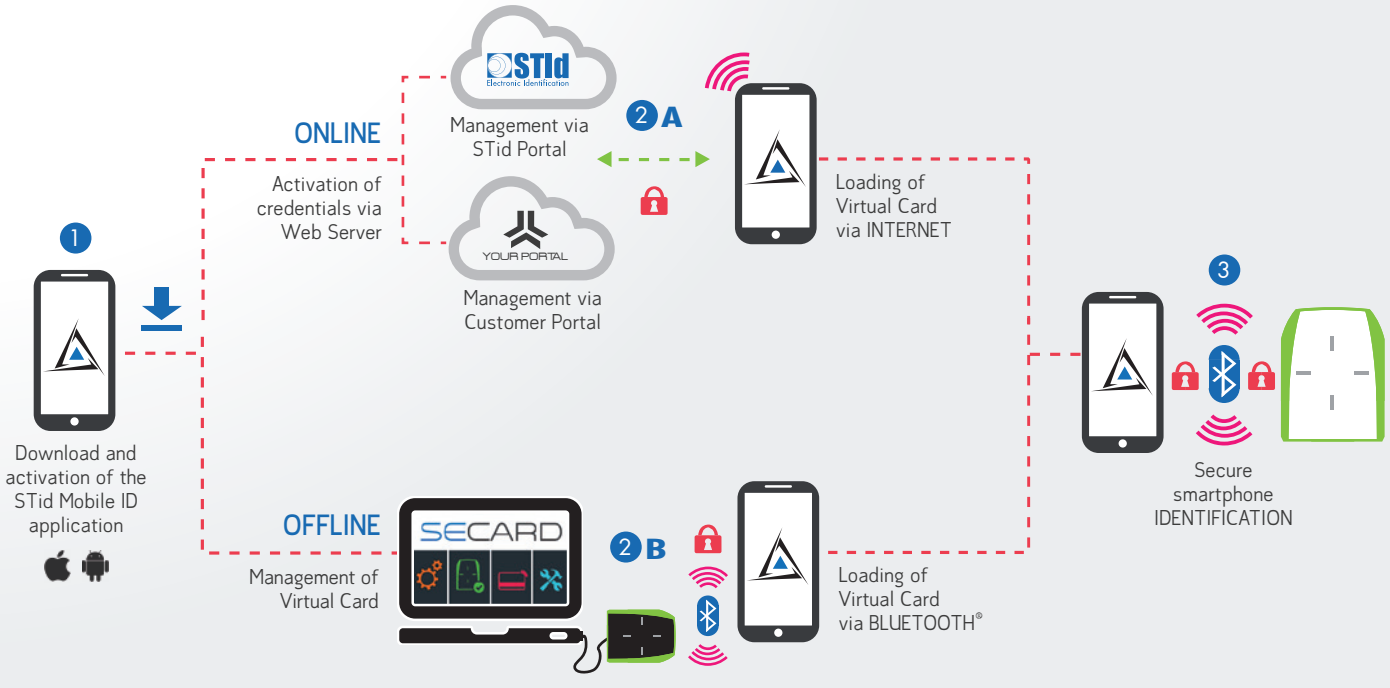
- Secure EAL5+ storage.
- Secure Bluetooth® Smart and Internet exchanges.
- Only Architect® Blue readers can communicate with the Virtual Card.
- Multi-factor authentication via smartphone (PIN code, biometrics, voice recognition, etc.) or via the functionalities of Architect® Blue readers (keypad, biometrics,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

+ Multi-tech and interoperable

- Works on major operating systems (Android™, iOS® and Windows Phone).
- Comliant 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



ARCHITECT®

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%.

Architect®
upgradable range

Vandal proof
Standing the test of time

Multi-technology
Ensure secure migrations

High Security
Easy access to High Security

Design
Let your imagination flow

GOLD TROPHY
EXPOPROTECTION

ARCHITECT

Scalable solution

6 configurations
1 unique RFID core, 3 interchangeable covers and 1 biometric module

Upgradable range Architect®

High Security

Easy access to High Security

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 accelerometerbased technology avoids it being outsmarted.

Compatible with
SECARD Security Management System or SEGIC LEGIC® Management System

for greater security

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

Multi-technology

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.

SSCP Readers 100% compatible with the SSCP communication protocol.

Design and customization

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

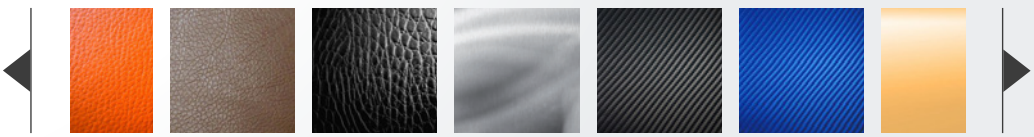
▲ Logo printing

Tampography

Ink-jet printing HQ

▲ Case with "skin effect" texture

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

"Scramble pad" function

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

Upgradable range
Architect® MIFARE® or LEGIC®

SECARD
SEGIC

RFID keypad biometric reader

13.56 MHz badge reader / **backlit sensitive** keypad with **biometric** digital fingerprint recognition. Use of keypad for identification or to activate associated functions (alarm, etc.) Fingerprint stored in the badge (French CNIL standard), reader or client system. Accelerometer-based tamper protection system. Multiple customization options: multi-colored LEDs, logo and casing color.

0 - 6 cm	156 x 80 x 26/60 mm	IP65	-10 / +50°C

SECARD
SEGIC

RFID reader with biometric & touch screen / keypad

13.56 MHz card reader with **touch screen & keypad** with **biometric** digital fingerprint recognition. Screen used as a keypad, display or control pad for associated functions. **"Scramble pad"** for random number display. Fingerprint stored in the badge (French CNIL standard), reader or client system. Accelerometer-based tamper protection system. Multiple customization options: multi-colored LEDs, casing color, image and text display, etc.

0 - 6 cm	176 x 80 x 31/60 mm	IP65	-10 / +50°C

Our Architect® offer

Model	Reference no.	MIFARE®	LEGIC®	iCLASS®	NFC HCE	Bluetooth®
	ARC-A	•		• CSN	•	
	ARCS-A (EAL5+)	•		• CSN	•	
	ARCS-A/BT (EAL5+)	•		• CSN	•	•
	ARC-L LEGIC	• CSN	•	• CSN		
	ARC-B	•		• CSN	•	
	ARCS-B (EAL5+)	•		• CSN	•	
	ARCS-B/BT (EAL5+)	•		• CSN	•	•
	ARC-M LEGIC	• CSN	•	• CSN		
	ARC-C	•		• CSN	•	
	ARCS-C (EAL5+)	•		• CSN	•	
	ARCS-C/BT (EAL5+)	•		• CSN	•	•
	ARC-N LEGIC	• CSN	•	• CSN		
	ARC-D	•		• CSN	•	
	ARCS-D (EAL5+)	•		• CSN	•	
	ARCS-D/BT (EAL5+)	•		• CSN	•	•
	ARC-O LEGIC	• CSN	•	• CSN		
	ARC-E	•		• CSN	•	
	ARCS-E (EAL5+)	•		• CSN	•	
	ARCS-E/BT (EAL5+)	•		• CSN	•	•
	ARC-P LEGIC	• CSN	•	• CSN		
	ARC-F	•		• CSN	•	
	ARCS-F (EAL5+)	•		• CSN	•	
	ARCS-F/BT (EAL5+)	•		• CSN	•	•
	ARC-Q LEGIC	• CSN	•	• CSN		

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

High Security Mullion reader

ARCHITECT® ONE

Mini mullion reader Architect® One

STid 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.

Scale 1

SECARD

0 - 6 cm	110 x 42 x 22 mm	IP65 / IK10	-20 / +70°C

Ref. ARC1-R31-X-PH1 (RO MIFARE®) ARC1-R31-X-PC1 (RO) / ARC1-R31-X-PH5 (RO)
ARC1-R33-X-PH5-7AA (RO EasySecure) / ARC1-S3x-X-PH5 (RO Secure)
ARC1-S33-X-PH5-7AA (RO Secure EasySecure) / ARC1-W33-X-PH5 (RW)
X = A - Rugged cable outlet, B - Plug-in/plug-out connector cable
Contact us for the EAL5+ and Bluetooth® versions

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).

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.

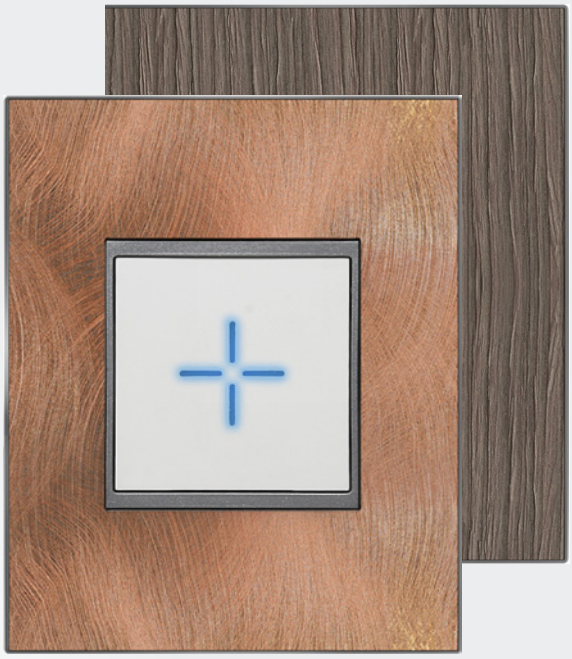
Multi-technology

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

100% Customizable

- 360 LED colors.
- Your Corporate Logo printing.
- Casing color.

Customizable wall switch reader - WAL



The WAL MIFARE Plus® / 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.

SECARD

SSCP

TTL

RS232

RS485

0 - 5 cm	45 x 45 mm (core)	Waterproof*	-20 / +70°C

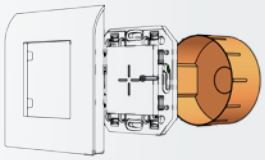
Ref. WALx-R31-E-103 (RO CSN) / WALx-R3x-E-PC1 (RO) / WALx-R3x-E-PH5 (RO)
WALx-R33-E-PH5-7AA (RO EasySecure) / WALx-S3x-E-PH5 (RO Secure)
WALx-S33-E-PH5-7AA (RO Secure EasySecure) / WALx-W3x-E-PH5 (RW)
x: 2 - standard version / 3 - slimline version compatible with Arnould Art Epure and Fusion

* Excluding connectors

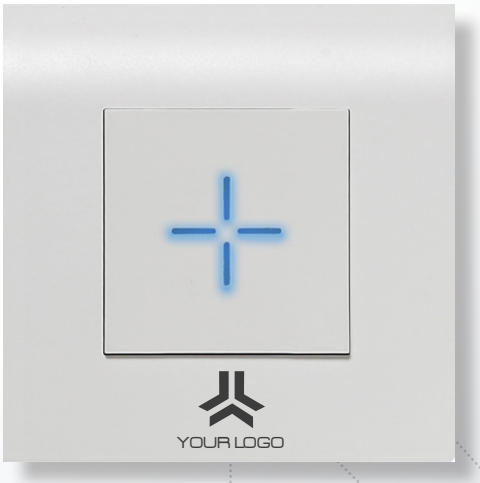
High Security and multi-technology

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.

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.



Logo printing

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
Dual-frequency readers

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.

TTL
RS232
RS485

SECARD

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, Argina®) 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.

125 kHz: 0 - 7 cm	13.56 MHz: 0 - 5 cm	
101 x 76 x 20 mm	IP65 / IK10	-20 / +70°C

Ref. LXS-RXx-E-BF5 (RO) / LXS-SXx-E-BF5 (RO Secure) / LXS-RX3-E-BF5-7AA (RO EasySecure)

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.

3.25 MHz: 0 - 5 cm	13.56 MHz: 0 - 5 cm	
101 x 76 x 20 mm	IP65 / IK10	-20 / +70°C

Ref. LXS-RXx-E-BF6 (RO) / LXS-SXx-E-BF6 (RO Secure) / LXS-RX3-E-BF6-7AA (RO EasySecure)

High Security 13.56 MHz readers

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

Solution certified for

- Operators of vital importance
- Governments
- Defense
- Sensitive industries

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

0 - 5 cm	101 x 76 x 20 mm	IP65 / IK10	-20 / +70°C

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

Liberté • Égalité • Fraternité
RÉPUBLIQUE FRANÇAISE

SÉCURITÉ CERTIFICATION
2013 / 03
CSPN

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.**

0 - 5 cm	101 x 76 x 20 mm	IP65 / IK10	-20 / +70°C

Ref. LXS-R31-E-103 (RO CSN) / LXS-R3x-E-PC1 (RO) / LXS-R31x-E-PH5 (RO) / LXS-R33-E-PH5-7AA (RO EasySecure) / LXS-S3x-E-PH5 (RO Secure) / LXS-S33-E-PH5-7AA (RO Secure EasySecure) LXS-W33x-E-PH5 (RW) / LXS-W33-E-PH5-7BB (RW RemoteSecure)

Workabout Pro 4 terminal - WP4

SECARD

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).

0 - 5 cm	IP65	-20 / +55°C

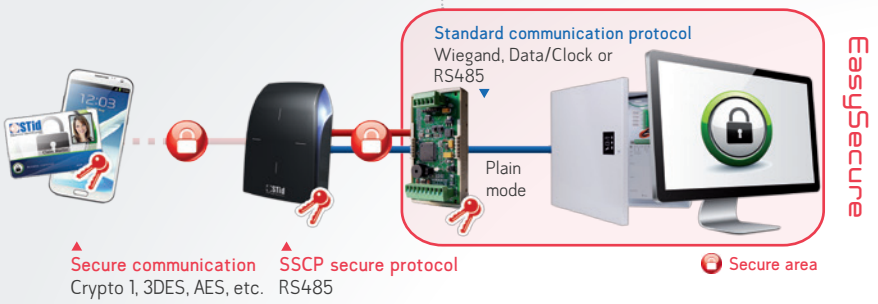
Ref.WP4-R3X-A-PH5 (RO) / WP4-W3X-A-PH5 (RW)

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

High Security
Smart interfaces

EasySecure decoders
Secure Plug & Play communication

SECARD



Compatible with all 13.56 MHz & Hybrid STid readers

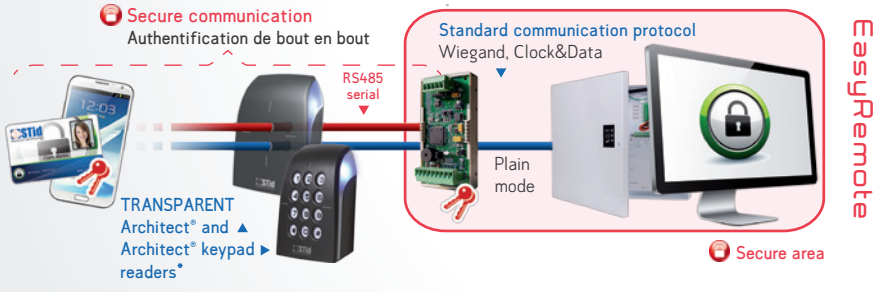
Decoders for data encryption and reader authentication via RS485 connection. Decryption and conversion into Wiegand / Clock&Data or RS485 for integration into standard local processing units.

97 x 49 x 34 mm

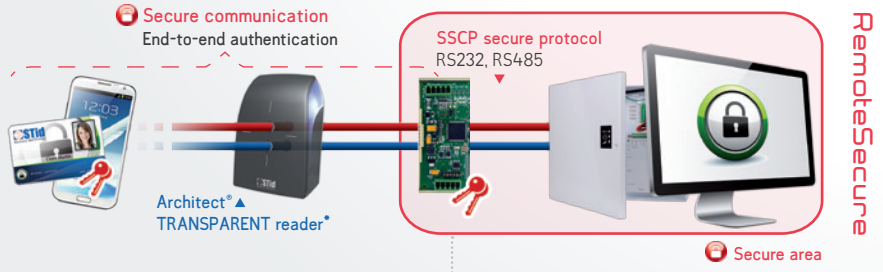
Ref. INT-R33-E (RS485 encrypted - TTL) / INT-R33-E-7AA/7AB (RS485 encrypted - RS485)

Transparent reader decoders
Secure Plug & Play communication

SECARD



SSCP



*Also compatible with transparent Architect® One reader.

Decoders that transfers 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)

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.

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

Ref. MIFARE® ARC-R35-G-PH5 (RO) / ARC-S35-G-PH5 (RO Secure) / ARC-W35-G-PH5 (RW)
Ref. MIFARE® Secure ARCS-R35-G-PH5 (RO) / ARCS-S35-G-PH5 (RO Secure) / ARCS-W35-G-PH5 (RW)
Ref. MIFARE® Bluetooth® ARCS-R35-G-BT1 (RO) / ARCS-S35-G-BT1 (RO Secure) / ARCS-W35-G-BT1 (RW)
Ref. LEGIC® ARC-R35-L-LE2 (RO) / ARC-W35-L-LE2 (RW)

Software

SECARD

MIFARE® programming kit

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

SWEDGE

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

SEGIC

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. KITSEGIC-RS232 / KITSEGIC-RS485
KITSEGIC-BIO-RS232 / KITSEGIC-BIO-RS485

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. KITDEVMIFAREGLOBAL (SSCP) / KITDEVMIFAREGLOBV2 (SSCP2)

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

125 kHz Prox Readers

TTL

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.

0 - 7 cm	66 x 37 x 20 mm	IP65	-20 / +70°C

Ref. LXM-R11 (RO TTL)

TTL
RS232
RS485

Standard Prox reader - LXS

LXS offers excellent read performance (speed and distance) and superior resistance for use in any type of environment. EM chip reader. Compatible for mounting on European flushboxes.
Protocol configured by card (TTL).
Version compatible with NEDAP and Crosspoint.

0 - 19 cm	101 x 76 x 20 mm	IP65 / IK10	-20 / +70°C

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

TTL

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.**

0 - 17 cm	145 x 38 x 20 mm	IP65 / IK10	-20 / +70°C

Ref. LXE-R11 (RO TTL)

TTL
RS232
RS485

Vandal-proof keypad Prox reader - LXC

RFID vandal-proof backlit keypad reader in zinc alloy with polycarbonate case for superior resistance in all types of installation environments. EM chip reader. Compatible for mounting on European flushboxes.
Protocol configured by keypad.

0 - 10 cm	116 x 82 x 27 mm	IP65 / IK10	-20 / +70°C

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

TTL
RS232
RS485

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).

0 - 5 cm	105 x 95 x 18 mm	IP65	-20 / +70°C

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

RS232

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.).

0 - 10 cm	126 x 80 x 24 mm	0 / +70°C

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

SWEDGE

RS232

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.

0 - 10 cm	126 x 80 x 24 mm	0 / +70°C

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

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.

TTL

0 - 9 cm	101 x 76 x 20 mm	IP65 / IK10	-20 / +70°C

Ref. LXS-R21-A (RO TTL)
Ref. HYBRID 3.25 MHz / 13.56 MHz: LXS-RXx-E-BF6 (RO) / LXS-SXx-E-BF6 (RO Secure) Page 28

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

125 kHz & UHF
hands-free readers

Hands-free reader range for free flow access!

STid has developped 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

0 - 50 cm	41 x 29 x 5 cm	IP65	-20 / +70°C

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 at 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

TTL
RS232
RS485

0 - 3 m	21.4 x 20.4 x 3.75 cm	IP65	-20 / +55°C

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.

0 - 2 m	80 x 30 x 5 cm	IP65	-20 / +55°C

Ref. GAT-RXx-E
Available in read/write version:
Ref. GAT-WXx-E
X = 4 - ETSI, 5 - FCC, 7 - Australia, 8 - New Zealand

Hands-free UHF gate reader - 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.

0 - 4 m	80 x 30 x 5 cm	IP65	-20 / +55°C

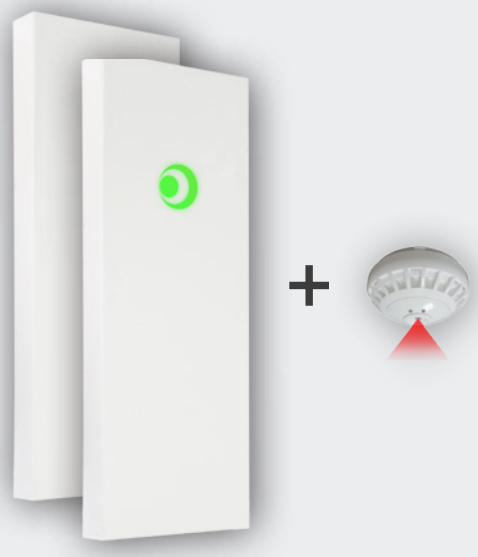
Ref. GAT-RXx-F
Available in read/write version:
Ref. GAT-WXx- F
X = 4 - ETSI, 5 - FCC, 7 - Australia, 8 - New Zealand

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.

0 - 4 m	80 x 30 x 5 cm	IP65	-20 / +55°C

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

ISO RFID Cards

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).

RFID cards: 125 kHz 13.56 MHz / UHF

A wide range of ISO format badges are available: basic, high-quality, high-resistance, read only or read/write, programmable, etc. ISO7816 Format. Optional magnetic strip available on request.

125 kHz	13.56 MHz	UHF

Ref. CCT

Technologies available

125 kHz cards	Standards	Chips	Options
		EM4200, EM4550, EM4205, EM4305	Optional HiCo magnetic strip (magstripe), standard or high quality versions
		Hitag 1, Hitag 2, HTS256, HTS2048, HitagSRO64	
		ATA5567, ATA5577	
13.56 MHz cards	**Standards**	**Chips**	
	ISO14443A	MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1 1K, 4K	
		MIFARE Plus® & Plus® EV1 S/X 2K, 4K DESFire® EV1 & EV2 2K, 4K, 8K	
	ISO15693	ICODE SLI, ICODE SLI-S, X, L	
	ISO14443B ISO15693	Picopass® 2K, 32KS	
	Legic RF	Prime: MIM256	
	ISO14443A	Advant: ATC2048, ATC4096	
	ISO15693	Advant: ATC128, ATC256, ATC1024	
UHF cards	**Standards**	**Chips**	
	ISO18000-63	Monza 4	
		Higgs® 3	
		UCODE	

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.

Ref. CCTWR

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.

Ref. CCTWR

HYBRID 13.56 MHz + UHF cards

This badge integrates 13.56 MHz MIFARE® (Classic, Plus®, DESFire® EV1) and UHF EPC1 Gen2 technologies for the ideal combination of secure and long range identification in a single solution. Optional magnetic strip available on request.

Ref. CCTWR

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

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.

125 kHz | 13.56 MHz

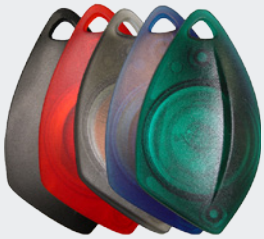
Ref. PCS

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.

125 kHz | 13.56 MHz

Ref. PCG



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.

125 kHz | 13.56 MHz

Ref. PCD

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.

125 kHz | 13.56 MHz

Ref. PCP

Epoxy Prox key holders - PCE

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

125 kHz

Ref. PCE

Leather Prox key holders - PCC

13.56 MHz leather key fobs.
Standard color: brown leather.
Contact us to find out more about customization services.

13.56 MHz

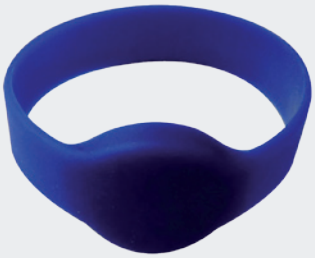
Ref. PCC

Prox wristbands - BMS

Waterproof 125 kHz or 13.56 MHz proximity wristbands with nylon strap. Contact us to find out more about customization services.

125 kHz | 13.56 MHz

Ref. BMS



Silicone wristbands - BSI

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

13.56 MHz

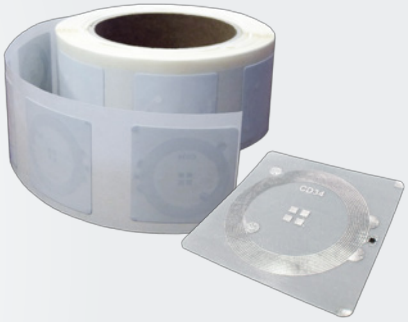
Ref. BSI

NFC identification tags

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

13.56 MHz

Ref. ETS



Adhesive electronic labels - ETP

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

13.56 MHz

Ref. ETP

Flexible adhesive disc tags - DTA

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

125 kHz | 13.56 MHz

Ref. DTA

PVC disc tags - DTP

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

125 kHz | 13.56 MHz

Ref. DTP

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

Customization of RFID cards & tags

STid Tag Service
Custom smart 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

Customization of RFID Cards and Tags

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

UV

Holograms and holographic strips

Additional services

- Writing of letters, matching, mail merge
- Specific packaging (boxes, wrappings, etc.)

Find out more about our customization services in our Tag Service brochure.

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).

ATEX & IECEx certified readers

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

ATX
ATEX & IECEX RFID SERIES

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.

SSCP

TTL

RS232

RS485

Marking
CE marking:
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

0 - 4 cm	270 x 310 x 180 mm	IP66	-20 / +70°C

Available in T6 and keypad version
Ref. ATX2

◄ Keypad version

Versions available

	13.56 MHz MIFARE®	13.56 MHz LEGIC®	125 kHz	Hybrid 125 kHz + 13.56 MHz
Chip compatibility	MIFARE Ultralight® & Ultralight® C MIFARE® Classic & Classic EV1 MIFARE Plus® & Plus® EV1 MIFARE® DESFire® EV1 & EV2 NFC, SMART MX, CPS3 (CSN) iCLASS® / PicoPass® (CSN)	LEGIC® Advant & Prime Chip CSN: MIFARE Ultralight® & Ultralight® C MIFARE® Classic & Classic EV1 MIFARE Plus® & Plus® EV1 MIFARE® DESFire® EV1 & EV2 iCLASS® / PicoPass® (CSN)	EM4200, EM4x50 T5557 emulated 4102	EM / HID / Nedap Crosspoint - Argina MIFARE Ultralight® & Ultralight® C MIFARE® Classic & Classic EV1 MIFARE Plus® & Plus® EV1 MIFARE® DESFire® EV1 & EV2 NFC, SMART MX, CPS3 (CSN) iCLASS® / PicoPass® (CSN)
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			
Reference no.	ATX-R31-A-103 (RO CSN) ATX-R31-A-PC1 (RO) ATX-R3x-A-PH5 (RO) ATX-S3x-A-PH5 (RO Secure) ATX-R33-A-PH5-7AA (RO EasySecure) ATX-W3x-A-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 certified readers
UHF

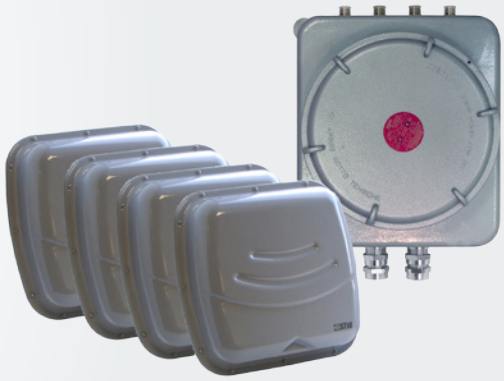
STid has developed a comprehensive range of high performance ATEX and IECEx certified UHF readers for all your applications for tracking critical objects and identifying vehicles in explosive environments. Our EX II 2 GD IP66 explosion-proof readers are well-suited to the chemical, petrochemical and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

TTL
RS232
RS485
WI FI

UHF reader with Integrated antenna - ATX

UHF reader with 1 external antenna - ATX2

UHF reader with up to 4 external antennas - ATX3



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

	ATX UHF	ATX2 UHF	ATX3 UHF
Chip compatibility	EPC1 Gen 2 / ISO18000-63		
Reading distances	0 - 4 m	0 - 6 m	0 - 6 m
Dimensions	270 x 310 x 174 mm		
Operating temperatures	-20°C to +50°C		
Strength	IP66		
Reference no.	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 - ETSI, 5 - FCC, 7 - Australia, 8 - New Zealand

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

Automatic Vehicle Identification

STid offers an innovative range of passive RFID readers and identification tags to optimize access to parking lots and manage traffic flows.

Automatic Vehicle Identification

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 vehicle readers

UHF medium-range reader UROne

UHF EPC1 Gen2 / ISO18000-63 Medium-distance reader. Optimized electronics for the best price/performance ratio. I/O: ground control loop option for traffic light management, etc. Ultra-resistant and waterproof casing **Protocol configured by card (RO).**

0 - 4 m	306 x 296 x 81 mm	IP66 / IK07	-20 / +55°C

Ref. UR1-RXx-E (RO)
Available in read/write version:
Ref. UR1-WXx-E (RW)
X = 4 - ETSI, 5 - FCC, 7 - Australia, 8 - New Zealand

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).

0 - 10 m	306 x 296 x 81 mm	IP66 / IK07	-20 / +55°C

Ref. URC-RXx-E (RO)
Available in read/write version:
Ref. URC-WXx-E (RW)
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

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).

0 - 10 m	306 x 296 x 81 mm	IP66 / IK07	-20 / +55°C

Ref. URC2-RXx-E (RO)
Available in read / write version
Ref. URC2-WXx-E (RW)
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

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).

0 - 10 m	340 x 290 x 129 mm	IP66 / IK07	-20 / +55°C

Ref. URD-RXx-E (RO)
Available in read / write version
Ref. URD-WXx-E (RW)
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

UHF Ultra compact hands-free reader - GAT nano

Extremely compact high performance hands-free UHF reader.
Identifies badge holders in any type of vehicle.
Best size / performance ratio on the market (up to 3 m).
Mounting options: wall-mount, tilting wall-mount or pole-mount.
Protocol configured by card (RO).

0 - 3 m	214 x 204 x 37.5 mm	IP65	-20 / +55°C

Ref. GAN-RXx-E (RO)
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

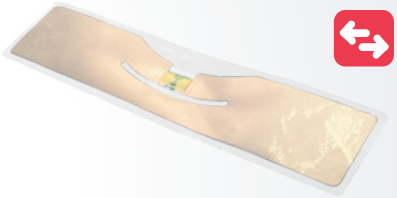
TeleTag

Movable wind screentags - TeleTag®

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

0 - 10 m	866 MHz	915 MHz	70 x 30 x 11 mm

Ref. TLT / TLTA



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.

0 - 10 m	866 MHz	915 MHz	96,5 x 23,2 mm

Ref. ETA

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).**

0 - 3 m	866 MHz	915 MHz	13.56 MHz + UHF

Ref. CCT / CCTWR

Architect® Blue Reader

Bluetooth SMART

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.

Watch the video Architect® Blue

SSCP
TTL
RS485

0 - 50 m in Bluetooth®	107 x 80 x 26 mm	IP65 / IK10	-20 / +70°C

Ref. ARCS-R3x-A-BT1 (RO) / ARCS-R33-A-BT1-7AA (RO EasySecure) / ARCS-R33-A-BT1-7BB (RO EasyRemote) / ARCS-S3x-A-BT1 (RO Secure) / ARCS-S33-A-BT1-7AA (RO Secure EasySecure) / ARCS-W33-A-BT1 (RW) / ARCS-W33-A-BT1-7BB (RW RemoteSecure)
Architect® One in Bluetooth® version also available, contact us.

UHF vehicle readers & software

ultrys

UHF programming kit

UHF programming kit to program reader configuration and user cards.

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

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.

0 - 2 m	260 x 235 x 28 mm	IP66	-20 / +55°C

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

SWEDGE

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 / Enrollment encoder - STR

UHF reader designed to read, enroll and program UHF EPC1 Gen2 / ISO18000-63 identification tags.

0 - 1 m	126 x 80 x 24/30 mm	0°C / +50°C

Ref. STR-RX5-E (ETSI RO) / STR-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

Terminal Workabout Pro 4

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

0 - 2 m	450 g	IP65	-20 / +55°C

Ref. WP4-WXx-A (RW)
X = 4 - ETSI, 5 - FCC, 6 - Morocco, 7 - Australia, 8 - New Zealand

SolarGuard®
100% autonomous UHF terminal

SOLARGUARD

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)

ETSI World Class Standards

FC

125 kHz & 13.56 MHz OEM modules

TTL
232 TTL

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.

0 - 7 cm | 45 x 27 x 10 mm

Ref. MS-R1x (RO) / MS-W1x (RW)

TTL
232 TTL

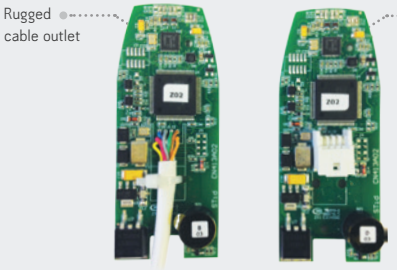
125 kHz Prox module - MDS

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

*Supplied separately

70 x 27 x 10 mm

Ref. MDS-R1x



SSCP
TTL
RS485

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.

0 - 6 cm | 85 x 35 x 12 mm

SECARD

Ref. MA1-R31-X-PH1 (RO MIFARE®) / MA1-R3x-X-PH5 (RO) / MA1-S3x-X-PH5 (RO Secure) / MA1-W33-X-PH5 (RW)
Also available in EAL5+ and Bluetooth® versions
X = A - Rugged cable outlet, B - Plug-in/plug-out connector cable

SSCP
TTL
RS232
RS485

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.

77,5 x 59 x 12 mm

SECARD
SEGIC

Ref. MIFARE® SE2-A/103 (RO CSN) / SE2-A/PH5 (RO & RW Secure) / SE2-A/BT1 (RO & RW Bluetooth®)
Ref. LEGIC® SE2-L/LE2 (RO & RW Secure)

SSCP
TTL
232 TTL

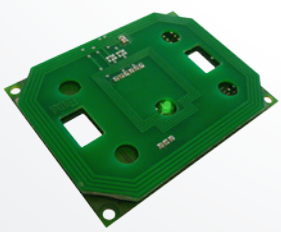
13.56 MHz High Security module - MS

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

0 - 5 cm | 60 x 35 x 7 mm

SECARD

Ref. MS-R31-E (RO) / MS-S31-E (RO Secure) / MS-W31-E (RW)



SSCP
TTL
RS232
RS485

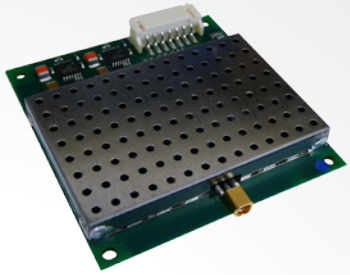
13.56 MHz High Security module - MXS

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.

0 - 8 cm | 89 x 69 x 17,5 mm

SECARD

Ref. MXS-R31-E-103 (RO CSN) / MXS-R3x-E-PH5 (RO) / MXS-S3x-E-PH5 (RO Secure)
MXS-W3x-E-PH5 (RW)



SSCP*

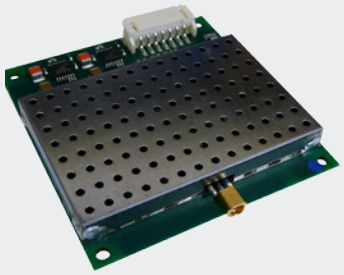
232 TTL

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.

58 x 54 x 9 mm | -10 / +55°C

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



SSCP*

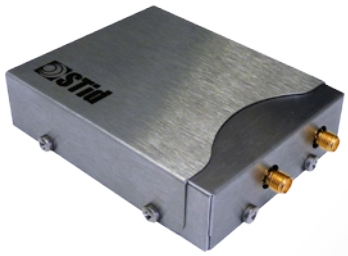
232 TTL

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.

58 x 54 x 9 mm | -10 / +55°C

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



SSCP*

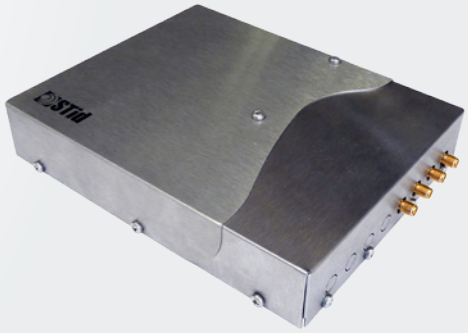
RS232

Medium Power UHF module - URM

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

90 x 70 x 20 mm | -10 / +55°C

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



SSCP*

RS232

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.

170 x 135 x 30 mm | -10 / +55°C

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

* Only when in "autonomous" mode via SSCP

Accessories

Standard interchangeable cover - SE3

Architect® & Architect® Blue standard RFID interchangeable cover. Integrated antenna.

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

Ref. SE3 (MIFARE® or LEGIC® / SE3B (Bluetooth®)

Keypad interchangeable cover - SE4

Architect® & Architect® Blue RFID sensitive + keypad interchangeable cover. Backlit keys. Integrated antenna.

107 x 80 x 26 mm	IP65	-20 / +70°C

Ref. SE4 (MIFARE®) / SE4B (Bluetooth®) / SE4L (LEGIC®)

Interchangeable touch screen cover - SE5

Architect® & Architect® Blue RFID + touch screen / keypad interchangeable cover. Integrated antenna.

128 x 80 x 31 mm	IP65	-20 / +70°C

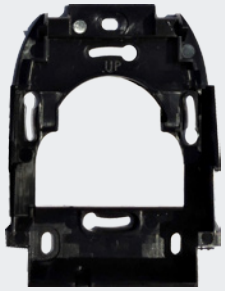
Ref. SE5 (MIFARE® or LEGIC® / SE5B (Bluetooth®)

Architect® biometric module - SE6

Digital fingerprint reader for secure authentication of badge holders. Easy connection to Architect® & Architect® Blue readers. Indoor and outdoor environments.

60 x 80 x 62 mm	IP65	-10 / +50°C

Ref. SE6



Secure smart fix base - SE1

Secure Smart Fix base compatible with European flushboxes.

Ref. SE1

Reinforcing mounting for biometric module - SE7

Optional reinforced metal mounting for biometric module. Two versions available depending on reader size.

Ref. SE7-ARC-DE / SE7-ARC-F

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.

LXS | LXE

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.

UROne | URC / URC2 | ANT-UHF | GAT nano

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.

GAT | GAT nano

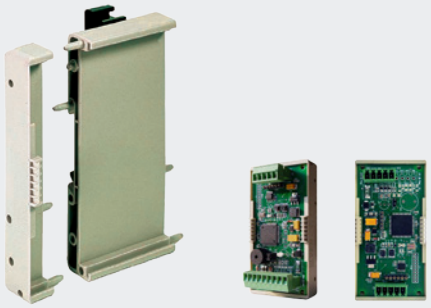
Ref. KFX-GAT / KFX-GAN

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.

URC2 | URD | ATX2 / ATX3 | ANT-UHF

Ref. CAB



Interface mounting kit

Mounting kit for installation of EasySecure, EasyRemote and RemoteSecure interfaces. DIN-rail mounting kit sold with interfaces.

INT-R33E | INT-E-7AA/7AB | INT-E-5AA/7AB | INT-E-7AA/7BB

Ref. KFX-DIN

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

Accessories

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 (UROne, URC, URC2, URD, GAT, GAT nano, GAT desk, etc.)

Ref. ALM12V500MA (125 kHz) / ALM12V3A (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. MSO_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.

125 kHz | 13.56 MHz

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-IDS-69

UHF card holder

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

Ref. PB001

Lanyard

Polyester fine satin lanyard (10 mm wide) - Secure break system - Black plastic zip.

Ref. TC-ZIPPB

Metal clip for card holder

Card holder clip with reinforced strap and metal snap button.

Ref. Pince001

STid Tag Service

Custom smart cards & tags

Customization services

STid offers a wide range of services for your RFID cards, wristhands, 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.

STid Academy
Partner Support Training

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

UHF - Issues and applications for vehicle identification

This module focuses on the development of UHF technology in line with EPC1 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

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 (EPC1 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 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 EPC1 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

Model	Applications			Functionalities			Security	Technologies								
	Proximity	Hands-free	Mobile Excluded NFC/BT	Keypad	Display	Biometrics	Level	MIFARE®	LEGIC®	iCLASS® PicoPass®	Bluetooth®	NFC	UHF	Hybrid	3.25 MHz	125 kHz
ARC One	•	• Bluetooth®						•		• CSN	•	•				
ARC-A	•	• Bluetooth®						•		• CSN	•	•				
ARC-B	•	• Bluetooth®		•				•		• CSN	•	•				
ARC-C	•	• Bluetooth®		•	•			•		• CSN	•	•				
ARC-D	•	• Bluetooth®				•		•		• CSN	•	•				
ARC-E	•	• Bluetooth®		•		•		•		• CSN	•	•				
ARC-F	•	• Bluetooth®		•	•	•		•		• CSN	•	•				
ARC-G	•							•		• CSN	•	•				
ARC-L	•							• CSN	•	• CSN						
ARC-M	•			•				• CSN	•	• CSN						
ARC-N	•			•	•			• CSN	•	• CSN						
ARC-O	•					•		• CSN	•	• CSN						
ARC-P	•			•		•		• CSN	•	• CSN						
ARC-Q	•			•	•	•		• CSN	•	• CSN						
ARC-L Desk	•							• CSN	•	• CSN						
WAL2/3	•							•		• CSN		•				
ATX	•						UHF/125 kHz MIFARE®/ LEGIC® Hybrid	•	•	• CSN		•	•	•		•
WP4	•		•		•			•		• CSN		•				
LXS	•						125 kHz/325 MHz MIFARE®/ Hybrid	•		• CSN		•		•	•	•
LXE	•															•
LXM	•															•
LXC	•			•												•
AVX	•															•
STR	•												•			•
LS1		•														•
GAT nano		•											•			
GAT mono		•											•			
GAT duo		•											•			

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.

Our products and services
People Identification

Certifications			Modes		Resistance		Mounting				Customization			Interfaces		
EAL5+*	CSPN	ATEX & IECEx	Read only	Read/ Write	Outdoor IP65 and +	Vandal proof	Metal without spacer	Metal with spacer	Flushboxes	Door uprights	Logo	Case color	Case cover	EasySecure	EasyRemote transparent	RemoteSecure transparent
•	• compliant		•	•	•	IK10	•		• mullion	•	•	•		•	•	•
•	• compliant		•	•	•	IK10	•		•		•	•	•	•	•	•
•	• compliant		•	•	•		•		•		•	•		•	•	
•	• compliant		•	•	•		•		•			•		•		
•	• compliant		•	•	•		•		•		•			•		
•	• compliant		•	•	•		•		•		•			•		
•	• compliant		•	•	•		•		•					•		
•			•	•		IK10	•				•	•	•			
			•	•	•	IK10	•		•		•	•	•			
			•	•	•		•		•		•	•				
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			•	•	•		•		•							
			•	•		IK10	•				•	•	•			
			•	•			•		•		•	•	•	•		
		•	•	•	•	•	•							•	•	•
			•	•	•											
	•		•	•	•	IK10		•	•					•		•
			•		•	IK10		•		•						
			•		•			•		•						
			•		•	IK10		•								
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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 nos. for a single model. Please contact us for more details about any of our references. * Certified security component.

Our products and services
Vehicle identification

Model	Applications				Antenna		Read distances			Homologations & certifications					
	Vehicle identification	Driver identification	Mobile Excluded NFC/BT	Office	Integrated	Remote	Proximity	Medium distance	Long distance	CE	FCC	Morocco	Australia	New Zealand	ATEX & IECEx
 ARCS-1/BT		•			•				0 - 50 m*	•	•				
 ARCS-A/BT		•			•				0 - 50 m*	•	•				
GAT nano		•			•			0 - 3 m		•	•	•	•	•	
 UROne	•				•			0 - 4 m		•	•		•	•	
 URC	•				•				0 - 10 m	•	•	•	•	•	
 URC2	•				•	1			0 - 10 m	•	•	•	•	•	
 URD	•					1 to 4			0 - 10 m	•	•	•	•	•	
 ATX	•				•			0 - 4 m		•	•		•	•	•
 ATX2	•					1			0 - 6 m	•	•		•	•	•
 ATX3	•					1 to 4			0 - 6 m	•	•		•	•	•
 WP4	•	•	•		•		0 - 2 m			•	•	•	•	•	
 GAT desk				•	•		0 - 2 m			•	•	•	•	•	
 STR				•	•		0 - 1 m			•	•	•	•	•	

This table presents the functionalities and specifications of all our RFID UHF Gen2 / ISO18000-63 readers for vehicle 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.
*Adjustable reading distance as needed.

Our products and services
Vehicle identification

Modes		Communication interfaces							Resistance		Customization
Read only	Read / Write	TTL	RS232	RS285	TCP/IP	USB	WIFI	BLUETOOTH	Outdoor IP65 and +	Vandal proof	Logo
•	•	•		•				•	•	IK10	•
•	•	•		•				•	•	IK10	•
•	•	•	•	•	•*				•		•
•	•	•	•	•					•	IK07	•
•	•	•	•	•	•				•	IK07	•
•	•	•	•	•					•	IK07	•
•	•	•	•	•	•	•	•		•	IK07	
•	•	•	•	•	•		•		•	•	
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This table presents the functionalities and specifications of all our RFID UHF Gen2 / ISO18000-63 readers for vehicle 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.
*Also available in POE version.

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