STid
Electronic Identification

2010 CATALOG

PERSON, VEHICLE & OBJECT IDENTIFICATION

EDITO

" RFID has grown from a technological revolution to an economical reality. We are here to help you build your future business from the potential benefits. "

Guy Pluvinage, CEO

Enter the world of RFID solutions

Whether you are in the security, logistics, or production business, you have strong identification issues and requirements. Radio Frequency Identification is now a reality.

Through constant development and innovation, we make it possible to think about RFID in terms of solutions and not only concepts.

Thinking RFiD another way

STid has developed over the years a unique sense for focusing on what is really important: the best advice leads to the best equipment and the best performance.
Leading manufacturer of contacless products and solutions, our expertise covers all aspects of RFID, from chips to cards and tags, readers, modules and coils, and their implementation.

Company headquarters: Gréasque (Bouches-du-Rhône, 13)

Paris agency (Hauts-de-Seine, 92).

STid
Electronic Identification

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PEOPLE IDENTIFICATION

People Identification, especially for access control, is STid's core business since the company has been created.

People Identification aims at securing access to different spaces through the identification of people having a card. Cards readers are the first link of the security chain of an access control system. They will indeed determine the global coherence of the installation.
There are two types of access controls: the proximity one and the hands free one. Hands free readers can reach reading distances over 1 meter.

In order to give you access to the best suited technology for your project, we have chosen to adopt an independent approach by offering you a wide range of products (readers, modules, identifiers):

• on 125 kHz, 13.56 MHz and UHF frequencies.
• on all the chip technologies already existing (EM Microelectronic, NXP (Mifare), Legic, Inside, Contactless, STMicroelectronics, Impinj, etc.).
• which are compatible with international standards ISO 14443 and ISO 15693, 18092 (NFC).

STid
Electronic Identification

▶ LXM Mini Proximity Reader

Compact mini reader. The best size/performance ratio of the category.
Thanks to its stylish and functional design it will be integrated easily in any environment.
Removable front cover - Bicolor Led - Buzzer - 7-wire cable output of 50 cm or
3 m - 12V DC power supply.
Protocol configurable by card (TTL)
See p.35 for configuration card kit

READ ONLY

0-8 CM

IP66

66×37×20 MM

-20 / +70°C

Wiegand - Data / Clock

P/N (CABLE 50 cm) :	LXM-R11-A/E01-xx/1		
P/N (CABLE 3 m) :	LXM-R11-C/E01-xx/1	XX : PROTOCOL VARIANT	APPLICATIONS : CORPORATE OR INDUSTRIAL SITE ACCESS CONTROL

▶ LXE Mullion Prox Reader

Mullion design reader. With its functional and specific design, it will be integrated
easily in any environment especially on door frames, wood or aluminium.
Removable screw caps - Bicolor led - Buzzer - Screw connector - 12V DC power supply.
Protocol configurable by card (TTL).

READ ONLY

0-17 CM

IP65

145×38×20 MM

-20 / +70°C

Wiegand - Data / Clock (configurable)
Exists in Nedap – 125 kHz Multitechno version

See p.35 for spacer and configuration card kit

P/N (CABLE 50 cm) :	LXE-R11-B/E01-xx/Y		
P/N (CABLE 3 m) :	LXE-R11-C/E01-xx/1	XX : PROTOCOL VARIANT Y : COLOR	APPLICATIONS : CORPORATE OR INDUSTRIAL SITE ACCESS CONTROL

▶ LXS Prox Design Standard Reader

Standard design reader. Its design enables an easy integration in any environment. Ideal
for door frames, wood or aluminium. **Fits on European single gang flush boxes.**
Removable screw caps - Bicolor led - Buzzer - Screw connector - TTL interface /
protocols - 12V DC power supply.
Protocol configurable by card (TTL).
Wiegand - Data / Clock
RS232 / RS485 adr
Exists in Nedap – 125 kHz Multitechno version
See p.35 for spacer and configuration card kit

READ ONLY

0-17 / 19 CM

IP65

102×76×20 MM

-20 / +70°C

P/N (TTL) :	LXS-R11-A/E01-xx/Y		
P/N (RS232) :	LXS-R12-A/E01-5c/Y	XX : PROTOCOL VARIANT	APPLICATIONS : CORPORATE OR INDUSTRIAL SITE
P/N (RS485) :	LXS-R13-A/E01-7x/Y	Y : COLOR	ACCESS CONTROL

▶ LXS operating at 3.25 MHz

The proximity reader LXS is also available at 3.25 MHz
R/O - Reading distance: 0-9 cm

READ ONLY

Wiegand - Data / Clock

P/N (TTL) :	LXS-R21/EM4-xx/Y

STid
Electronic Identification

▸ ## LXM Mini LXM – **Bitechno** Prox Reader

Mini compact reader. Can read EM cards. HID compatible. The best size/performance ratio of the category. Thanks to its stylish and functional design it will be integrated easily in any environment

Removable front cover - Bicolor Led - Buzzer - 7-wire cable output of 50cm or 3m - 12V DC power supply.

Wiegand 26 bits

READ ONLY

0/4-6 CM

IP66

66x37x20 MM

-20 / +70°C

P/N (CABLE 50 cm) : P/N (CABLE 3 m) :	LXM-R11-C/H01-3i/1 LXM-R11-D/H01-3i/1	XX : PROTOCOL VARIANT	APPLICATIONS : CORPORATE OR INDUSTRIAL SITE ACCESS CONTROL

▸ ## AVX Vandalproof Prox Reader

Vandalproof stainless steel proximity reader. With its robust casing, the AVX is the ideal product for harsh environments. 15/10th stainless steel casing – Security screws supplied (see p.35 for further information) – Bicolor led – Buzzer – Reading distance 0-5 cm – Screw connector – 12V DC power supply.
Protocol configurable by card (TTL).
Wiegand - Data / Clock
RS232 / RS485 adr
Security screw kit supplied with the reader + see configuration card p.35
Exists in Nedap – 125 kHz Multitechno version

READ ONLY

0-5 CM

IP65

105x95x18 MM

-20 / +70°C

P/N (TTL) : P/N (RS232) : P/N (RS485) :	AVX-R11-A-/E01-xx/5 AVX-R12-A-/E01-5c/5 AVX-R13-A-/E01-7x/5	XX : PROTOCOL VARIANT Y : COLOR	APPLICATIONS : ACCESS CONTROL IN HARSH ENVIRONMENTS

▸ ## LCI Piezo Keyboard Prox Reader

The convergence between two access control technologies:
the proximity technology and the access keyboard one, the LCI can be used in different modes : card only, card + code or code only.
3 leds - Integrated buzzer - Screw connector
12V DC power supply.
Wiegand - Data / Clock
RS232 / RS485 adr
Exists in Nedap – 125 kHz Multitechno version

READ ONLY

0-5 CM

IP65

120x90x22 MM

-20 / +70°C

P/N (TTL) : P/N (RS232) : P/N (RS485) :	LCI-R11-A/E01-xx/5 LCI-R12-A/E01-5c/5 LCI-R13-A/E01-7s/5	XX : PROTOCOL VARIANT	APPLICATIONS : ACCESS CONTROL IN HARSH ENVIRONMENTS

▸ ## 125 kHz STR Desktop Reader / Encoder

The 125 kHz R/W STR desktop reader can read and/or encode same-frequency cards.
Communication interface : PC RS232 or USB.

ABS casing - Programmable bicolor led - Programmable buzz
12V DC power supply.
Option : card programming software.
RS232 / USB

READ WRITE

0-6 CM

126x80x24/30 MM

0°C / +70°C

P/N (USB) CORDON FOURNI : P/N (RS232) :	STR-W15-A/E02-5G1 STR-W12-A/E02-5G1	XX : PROTOCOL VARIANT	APPLICATIONS : DESKTOP READER / ENCODER

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▶ L51 Compact Hands Free Reader

Compact hands free reader - Built-in electronics - Optimal reading conditions - Robust and easy to use - Ideal for car park access or for comfortable pedestrian access. The automatic tuning **function simplifies the installation and optimizes the results**. Lever cable connector - Buzzer - 12V DC power supply - IP65 electronic casing. **Protocol configurable by card (TTL).**

Wiegand - Data / Clock
RS232 / RS485 adr

Exists in Nedap – 125 kHz Multitechno version

See p.35 for power supply, base and configuration cards

READ ONLY

0-50 CM

IP65

40x29x5 CM

P/N (TTL) :	L51-R11-A/ Em1-xx/Y		**APPLICATIONS :**
P/N (RS232) :	L51-R12-A/ Em1-5c/Y	XX: PROTOCOL VARIANT	HANDS FREE ACCESS CONTROL
P/N (RS485) :	L51-R13-A/ Em1-7s/Y		TRACEABILITY & LOGISTICS

▶ MLT Stainless Steel Hands Free Reader

Hands free stainless steel reader. Ideal for car park access or for comfortable pedestrian access. Indoor/Outdoor use. IP65 electronic casing. Simple to install thanks to its automatic tuning.
8-terminal screw connector - 12V DC power supply.
Protocol configurable by card (TTL).
Wiegand - Data / Clock
RS232 / RS485 adr

Exists in Nedap – 125 kHz Multitechno version

See p.35 for power supply, base and configuration cards

READ ONLY

0-70 CM

IP65

53x85x150 CM

P/N (TTL) :	MLT-R11-A/Em1-xx/5		**APPLICATIONS :**
P/N (RS232) :	MLT-R12-A/Em1-5c/5	XX: PROTOCOL VARIANT	HANDS FREE ACCESS CONTROL
P/N (RS485) :	MLT-R13-A/Em1-7s/5		TRACEABILITY & LOGISTICS

▶ XLT HANDS FREE READER

Ideal for the pedestrian access or vehicles at a great distance control. Indoor/Outdoor use. The automatic tuning function simplifies the installation and optimizes the results. You can reach distances up to 1m by choosing the "double XLT" configuration.
8-terminal screw connector - 3 read control leds and buzzer output - 12V DC power supply.
Protocol configurable by card (TTL).
Wiegand - Data / Clock
RS232 / RS485 adr

Exists in Nedap – 125 kHz Multitechno version

See p.35 for power supply, base and configuration cards

READ ONLY

0-60/100 CM

IP65

150x50x7 CM

P/N (TTL) :	XLT-R11-A/Em1-5c/1		**APPLICATIONS :**
P/N (RS232) :	XLT-R12-A/Em1-5c/1	XX: PROTOCOL VARIANT	HANDS FREE ACCESS CONTROL
P/N (RS485) :	XLT-R13-A/Em1-7s/1		TRACEABILITY & LOGISTICS

▶ LBS Ground Loop Reader

Ground loop antenna and reader for vehicles identification. Single turn 6mm² antenna. Can read tags attached to any type of vehicle. The automatic tuning function simplifies the installation and optimizes the results.
IP65 waterproof electronic casing - Read a vehicle tag (TVL-R00x) up to 1 m Read control led and buzzer output.
12 VDC power supply. Max distance antenna / electronic: 2m.
Protocol configurable by card (TTL).
Wiegand - Data / Clock
RS232 / RS485 adr

Exists in Nedap – 125 kHz Multitechno version

See p.35 for power supply, base and configuration cards

READ ONLY

0-100 CM

IP65

150x50 CM

P/N (TTL) :	LBS-R11-A/Em1-xx/o		**APPLICATIONS :**
P/N (RS232) :	LBS-R12-A/Em1-5c/o	XX: PROTOCOL VARIANT	ACCESS CONTROL &
P/N (RS485) :	LBS-R13-A/Em1-7s/o		VEHICLE IDENTIFICATION

MIFARE

Mifare® 13.56 MHz STid readers make it possible to integrate different levels of security to your access control system.

The objectives are the following :

- Secured Mifare : Protect the access to the data stored in the card by using private security keys. For that purpose STid has developed production tools for configuration cards which charge the keys in the readers independently from the system.

- Secure Plus 2 : - Ensure confidentiality of all communications between the reader and the management system with STid SSCP secured protocol (encryption and authentication).
                    - physically protect your reader.
                    - supervise the condition of the reader.

- Easy Secure :   Integrate Secure functions + 2 (encryption and authentication) on management systems existing thanks a decoding module.

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Electronic Identification

PEOPLE IDENTIFICATION

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSORIES AND SERVICES

mifare®

LX1 one **Prox Reader**

It is the latest addition to STid product range. Excellent value for money. Compact design to be installed on gate-posts. Removable front cover - 50cm or 3m cable output.
Read-only mode: read unique serial number for Mifare, Desfire chips (compliant with ISO 14443 A). **Protocol configurable by card (TTL).**
Secured read-only mode : read-only mode + Reading of the content from a protected Mifare card sector.

Wiegand - Data / Clock
Reading distance: 0-4 cm (also on metal).
See p.35 for spacer and configuration card kit

CSN READ

READ SECTOR

ISO 14443 A

0-4 CM

IP65

123×47×19 MM

50 CM CABLE:	
P/N (TTL) LECTURE SEULE :	LX1-R31-A/1A3-xx/1
P/N (TTL) LECTURE SEULE SÉCURISÉE :	LX1-R31-A/PH1-xx/1
3 M CABLE:	
P/N (TTL) LECTURE SEULE :	LX1-R31-B/1A3-xx/1
P/N (TTL) LECTURE SEULE SÉCURISÉE :	LX1-R31-B/PH1-xx/1

xx : PROTOCOL VARIANT

APPLICATIONS :
ACCES CONTROL
MULTI APPLICATIONS

LXS Mifare® Prox Design Reader

Read-only mode: reads unique serial number for Mifare chips (compliant with ISO14443 A). **Protocol configurable by card (TTL).**
Secured read-only mode: read-only mode + Reading of the content from a protected Mifare card sector.
Wiegand - Data / Clock
Read/Write mode: secured read-only mode + encodes any Mifare card or tag with the original Mifare® library.
RS232 / RS485 adr
Reading distance up to 5 cm (also on metal) -Supplied with wall mount spacer.
See p.35 for configuration card

CSN READ

READ SECTOR

READ WRITE

ISO 14443 A

IP65

102×76×20 MM

P/N (TTL) LECTURE SEULE :	LXS-R31-A/1A3-xx/Y
P/N (TTL) LECTURE SEULE SÉCURISÉE :	LXS-R31-A/PH1-xx/Y
P/N (RS232) LECTURE ÉCRITURE :	LXS-W32-A/PH1- 5x/Y
P/N (RS485) LECTURE ÉCRITURE :	LXS-W33-A/PH1-7B/Y

xx : PROTOCOL VARIANT
Y : COLOR

APPLICATIONS :
ACCES CONTROL
MULTI APPLICATIONS

HYBRID LXS Prox Design Reader - 13.56 MHz + 125 kHz

Enables the sites to move easily from one technology to another.
Compatibility with 1k, 4k Mifare, ISO 14443 A, + 125 kHz Prox.
Removable screw caps - Bicolor led - Buzzer - Reading distance up to 5/7 cm (also on metal) - Screw connector - Supplied with wall mount spacer - 12V DC power supply.

Wiegand - Data / Clock

CSN READ

125KHz/13.56MHz

0-5/7 CM

IP65

102×76×20 MM

P/N R/O (TTL) :	LXS-RX1-A/BF0-xx/Y
P/N SECURED R/O (TTL) :	LXS-RX1-A/BF1-xx/Y
P/N R/O + ISO14443-3B (TTL) :	LXS-RX1-A/BF2-xx/Y
P/N SECURED R/O + ISO14443-3B (TTL) :	LXS-RX1-A/BF3-xx/Y

xx : PROTOCOL VARIANT
Y : COLOR

APPLICATIONS :
ACCES CONTROL
MULTI APPLICATIONS

LCI Piezo Keyboard Prox Reader

Read-only mode: reads unique serial number for Mifare chips (compliant with ISO14443A).
Secured read-only mode: read-only mode + Reading of the content from a protected Mifare card sector.
Modes: card only, card + keyboard code or keyboard code only.

Wiegand - Data / Clock

READ ONLY

ISO 14443 A

IP65

120×90×22 MM

P/N R/O (TTL) :	LCI-R31-A/1A3-xx/5
P/N SECURED R/O (TTL) :	LCI-R31-A/PH1-xx/5

xx : PROTOCOL VARIANT

APPLICATIONS :
ACCESS CONTROL IN SECURED
ENVIRONMENT

mifare®
Sécurisé

▶ ## STR Mifare® Reader / Encoder

Encodes any Mifare® card or tag with the original Mifare® library.
ABS casing - Programmable tricolor led - Programmable buzzer - Serial RS232 (12V DC power supply) or USB (interface power supply) interfaces.

RS232 / USB

READ WRITE

ISO 14443 A

0-4,5 CM

0°C / +70°C

126x80x24/30 MM

P/N (RS232) :	STR-W32-B/PH1-5x/1		APPLICATIONS :
P/N (USB) :	STR-W35-B/PH1-5x/1	XX: PROTOCOL VARIANT	ENCODING, AUTHENTICATION

▶ ## KPRG PH1 Programming Kit

Mifare® programming kit with dedicated software.
Generates user cards and reader configuration cards associated with STid's software.
Contains: STR-W35-B/Ph1 reader
    PRG Ph1 software
    4 Mifare 1k cards.

The indispensable tool to keep your own security under control.

P/N :	KPRG-Ph1	APPLICATIONS : ENCODING, PROGRAMMING

VEHICLE IDENTIFICATION
OBJECT IDENTIFICATION
ACCESSORIES AND SERVICES

STid
Electronic Identification

NEW

MIFARE *Ultralight*   MIFARE *Plus*

New reader simultaneously integrating Ultralight C, Mifare Classic, Mifare Plus and DESFire EV1 technologies to ensure optimal security :
- Security between the card and the reader (AES encryption, TDES and AES cryptography algorithms)
- Security between the reader and the management system because of the SSCP (STid Secure Common Protocol) secured protocol using AES and HMAC-SHA1 public algorithms.
Compatible with Classic Mifare for an easy migration of your existing system.
NFC compatibility (ISO 18092).

▶ LXS Prox Design Reader
ULTRALIGHT C, MIFARE CLASSIC, MIFARE PLUS & DESFIRE EV1

Read-only mode: reads unique serial number for Ultralight C, Mifare Classic, Mifare Plus, DESFire EVI and PUPI ISO 14443-3B chips.
Protocol configurable by card (TTL).
Secured read-only mode: read-only mode + Reading of the content from a protected Mifare card sector.

Wiegand - Data / Clock
Read/Write mode: secured read-only mode + encodes any Mifare chip.
RS232 / RS485 adr
Reading distance up to 8 cm (also on metal) - Supplied with wall mount spacer.

CSN READ

READ SECTOR

READ WRITE

ISO 14443 A-B

ISO 18092

0-8 CM

102x76x20 MM

P/N R/O (TTL) :	LXS-R31-E/103-xx/Y	
P/N SECURED R/O (TTL) :	LXS-R31-E/PH5-xx/Y	
SECURE PLUS P/N SECURED R/O (TTL) :	LXS-S31-E/PH5-xx/Y	XX : PROTOCOL VARIANT
P/N R/W (RS232) :	LXS-W32-E/PH5- 5AA/Y	
P/N R/W (RS485) :	LXS-W33-E/PH5-7AA/Y	

APPLICATIONS :
ACCESS CONTROL
MULTI APPLICATIONS

▶ LXE Mullion Prox Reader
ULTRALIGHT C, MIFARE CLASSIC, MIFARE PLUS & DESFIRE EV1

Read-only mode: reads unique serial number for Ultralight C, Mifare Classic, Mifare Plus, DESFire EVI and PUPI ISO 14443-3B chips. **Protocol configurable by card (TTL).**
Secured read-only mode: read-only mode + Reading of the content from a protected Mifare card sector.

Wiegand - Data / Clock
Read/Write mode: secured read-only mode + encodes any Mifare chip.
RS232 et RS485 adressable
Reading distance up to 6 cm (also on metal) - Supplied with wall mount spacer.

CSN READ
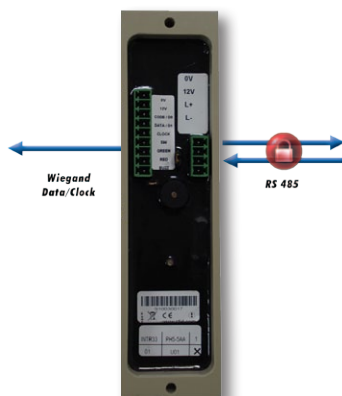
READ SECTOR

READ WRITE

ISO 14443 A-B

ISO 18092

0-6 CM

38x145x105MM

P/N R/O (TTL) :	LXE-R31-E/103-xx/Y	
P/N SECURED R/O (TTL) :	LXE-R31-E/PH5-xx/Y	
SECURE PLUS P/N SECURED R/O (TTL) :	LXE-S31-E/PH5-xx/Y	XX : PROTOCOL VARIANT
P/N R/W (RS232) :	LXE-W32-E/PH5- 5AA/Y	
P/N R/W (RS485) :	LXE-W33-E/PH5-7AA/Y	

APPLICATIONS :
ACCESS CONTROL
MULTI APPLICATIONS

▶ Decoder - Easy Secure

Data encryption and authentication device for read-only readers.
Converts secure RS485 channel info plain Wiegand or Clock/Data

DECODING

Wiegand Data/Clock   RS 485

Output : Wiegand - Data / Clock RS485 link between decoder/reader

P/N :	INT-R33-E/7AA-XX
COMPATIBLE	LXS-R33-E / LXE-R33-E

APPLICATIONS :
ACCESS CONTROL
MULTI APPLICATIONS

SECURITY

MIFARE
Desfire EV1

▶ ## STR Desktop Reader/Encoder

ULTRALIGHT C, MIFARE CLASSIC, MIFARE PLUS & DESFIRE EV1

The STR desktop reader can program any Mifare card or tag (Ultralight C, Mifare Classic, Mifare Plus, DESFire EV1) with the original Mifare library and can read PUPI ISO 14443-3B.
ABS casing - Programmable bicolore led - Programmable buzz - Serial RS232 (12V DC power supply) or USB (interface power supply) interfaces.
RS232 / USB

READ WRITE

ISO 14443 A-B

ISO 18092

0-4/6 CM

126x80x24/30 MM

P/N (RS232) :	STR-W32-E/PH5-5AA/1
P/N (USB) CORD SET SUPPLIED :	STR-W35-E/PH5-5AA/1

APPLICATIONS :
ACCESS CONTROL
MULTI APPLICATIONS

▶ ## Development Kit

ULTRALIGHT C, MIFARE CLASSIC, MIFARE PLUS & DESFIRE EV1

Software tools and equipment making possible to integrate reading and writing functions of Ultralight C, Mifare Classic, Mifare Plus and DESFire EV1 chips in your applications.
The encoder contains the STR-W35-E/Ph5 + software tool (DLL under Windows) + cards.

P/N: ULTRALIGHT C DEVELOPMENT KIT
P/N: MIFARE CLASSIC DEVELOPMENT KIT
P/N: MIFARE PLUS DEVELOPMENT KIT
P/N: DESFIRE EV1 DEVELOPMENT KIT
P/N: ULTRALIGHT C/MIFARE CLASSIC/MIFARE PLUS/DESFIRE EV1 DEVELOPMENT KIT

APPLICATIONS :
ACCESS CONTROL
MULTI APPLICATIONS

▶ ## SECard Programming Kit

ULTRALIGHT C, MIFARE CLASSIC, MIFARE PLUS & DESFIRE EV1

Programming kit with a STid software. Makes it possible to program configuration and users cards.
Contains : - the reader / encoder STR-W35-E/Ph5
        - SeCard software
        - Ultralight C, Mifare Classic, Mifare Plus and DESFire EV1 cards

The indispensable tool to keep your own security under control.

P/N :	SECARD

APPLICATIONS :
ENCODING, PROGRAMMIING

PEOPLE IDENTIFICATION

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSORIES AND SERVICES

STid
Electronic Identification

MULTITECHNO

Inside CONTACTLESS   mifare®   iCODE

ST   cal**y**pso

Multitechnologie by STid

- Enables a simultaneous reading of the best 13.56 MHz technologies.
- Double technology enables the sites to move easily from one technology to another.
- MultiTechnology STid readers allow a heterogeneous fleet of cards.

LX1 One MultiTechnology Prox Reader

Compatible ISO14443-3A - ISO14443-3B - ISO15693-2 - ISO15693-3

It is the latest addition to STid product range. Excellent value for money. Compact design to be installed on gate-posts and other small surface.
Removable front cover - 50 cm or 3 m cable output

Wiegand - Data / Clock
See p.35 for spacer

CSN READ

0-4 CM

IP65

123x47x19 MM

P/N (TTL) :	LX1-R31-A/x03-xx/1		
REFER TO THE PRICE LIST TO SEE THE DIFFERENT VERSIONS		XX : PROTOCOL VARIANT	**APPLICATIONS :** ACCESS CONTROL MULTI APPLICATIONS

LXS MultiTechnology Prox Design Reader

Compatible ISO14443-3A - ISO14443-3B - ISO15693-2 - ISO15693-3

Standard design reader. Its reading performances and large compatibility enable an easy integration in any environment. Fits on European single gang flush boxes.

Wiegand - Data / Clock

CSN READ

0-5 CM

IP65

102x76x20 MM

P/N (TTL) :	LXS-R31-A/x03-xx/1		
REFER TO THE PRICE LIST TO SEE THE DIFFERENT VERSIONS		XX : PROTOCOL VARIANT	**APPLICATIONS :** ACCESS CONTROL MULTI APPLICATIONS

Desktop Reader - STR Multitechno

Compatible with ISO14443A - ISO14443B - ISO15693-2 - ISO15693-3

ABS casing - programmable led bicolore - programmable buzz - Serial RS232 (9, 12, 15V DC power supply) or USB (interface power supply) interfaces.

RS232 / USB

CSN READ

0-5 CM

IP65

126x80x30 MM

P/N (RS232) :	STR-R32-B/X03-5x/1		
P/N (USB) CORD SET SUPPLIED :	STR-R35-B/X03-5x/1	XX : PROTOCOL VARIANT	**APPLICATIONS :** ACCESS CONTROL MULTI APPLICATIONS

▶ SLI - I-Code Prox Reader

Can read and encode NXP I-Code® chips with ISO 15693 standard.

LXS model:	STR model:
Read-only unique ID number:	Interface RS232
Wiegand - Data / Clock	
Lecture écriture :	
RS232	

READ ONLY

READ WRITE

ISO 15693

0 - 7 /10 CM

LXS	STR
P/N (RS232) : LXS-R32-D/203-5K/Y	P/N (RS232) : STR-W32-D/PH3-5K/1
P/N (RS232 WRITE) : LXS-W32-D/PH3-5K/Y	

▶ ST Microelectronics Prox Reader

Can read and encode SRI and SRIX ST chips (512 and 4k).

LXS model:	STR model :
Read / Write:	Interface série RS232
RS232	USB

READ WRITE

ISO 14443 B

0 - 5 CM

LXS	STR
P/N (RS232) : LXS-W32-A/ST1-5J/Y	P/N (RS232) : STR-W32-A/ST2-5B/1
	P/N (USB) CORD SET SUPPLIED : STR-W35-A/ST2-6A/1

▶ Legic Prox Reader

Manages 256 and 1024 Legic Prime® chips with the Legic®.

LEGIC®
innovation in ID technology

LXS model:	STR model:
Read/Write:	Interface série RS232
RS232 / RS485	USB

READ WRITE

0 - 7 CM

LXS	STR
P/N (RS232) : LXS-W32-C/LE1-5E/Y	P/N (RS232) : STR-W32-C/X03-5x/1
P/N (RS485) : LXS-W32-C/LE1-5E/Y	P/N (USB) CORDON FOURNI: STR-W35-C/X03-5x/1

APPLICATIONS :
ACCESS CONTROL,
TIME MANAGEMENT, CASHLESS APPLICATIONS.

READERS

UHF
HANDS FREE READERS

PEOPLE IDENTIFICATION

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSORIES AND SERVICES

UR1 one

▶ UROne Hands Free Readers
Middle distance – Built-in antenna

Ideal for hands free access control over middle distances. UROne reader's electronics have been optimized to ensure the best price/performance ratio. 12V DC power supply
ETSI version: 866 MHz – FCC version: 915 MHz
Anticollision protocol (up tu 4 tags)
EPCI Gen2 / ISO 18000-6C technology.

READ ONLY

866-915 MHz

306x296x81 MM

JUSQU'À 4 M

IP66

-20 / +70°C

Wiegand - Data / Clock - RS232

P/N (TTL) ETSI :	UR1-R41-C/U04-XX/3		
P/N (TTL) FCC :	UR1-R51-C/U04-XX/3	XX : PROTOCOL VARIANT	APPLICATIONS :
P/N (RS232) ETSI :	UR1-R42-C/U04-XX/3		HANDS FREE CONTROL ACCESS
P/N (RS232) FCC :	UR1-R52-C/U04-XX/3		

MOBILE MOUNTING KIT AND POWER SUPPLY (OPTIONAL)

▶ URC Hands Free Readers
Long distance – Built-in antenna

Ideal for hands free access control over long distances. 12V DC power supply.
ETSI version: 866 MHz – FCC version: 915 MHz
Anticollision protocol (up tu 4 tags)
ISO 18000-6B or EPCI Gen2/ISO 18000-6C technology.

READ ONLY

866-915 MHz

306x296x81 MM

JUSQU'À 10 M

IP66

-20 / +70°C

Wiegand - Data / Clock - RS232

P/N (TTL) ETSI :	URC-R41-C/U05-xx/3	
P/N (TTL) FCC :	URC-R51-C/U05-xx/3	APPLICATIONS :
P/N (RS232) ETSI :	URC-R42-C/U05-xx/3	HANDS FREE CONTROL ACCESS
P/N (RS232) FCC :	URC-R52-C/U05-XX/3	

MOBILE MOUNTING KIT AND POWER SUPPLY (OPTIONAL)

▶ URD Hands Free Readers
Long distance - External antenna(e) – Multi-antennae

Same technical characteristics as the URC reader **+ up to 4 antennae can be connected to the URD reader + 4 Wiegand – Data / Clock outputs.**
Reinforced fibreglass casing.

Offset antenna: 3m – 9m cable delivered upon request.
ISO 18000-6B or EPCI Gen2/ISO 18000-6C technology.

READ ONLY

866-915 MHz

306x296x81 MM

JUSQU'À 10 M

IP66

-20 / +70°C

Wiegand - Data / Clock - RS232

P/N (TTL) 1 EXTERNAL ANTENNA :	URD-R41-A/U05-xx/3	
P/N (TTL) 2 EXTERNAL ANTENNAE :	URD-R41-B/U05-xx/3	
P/N (TTL) 3 EXTERNAL ANTENNAE :	URD-R41-C/U05-xx/3	
P/N (TTL) 4 EXTERNAL ANTENNAE :	URD-R41-D/U05-xx/3	APPLICATIONS :
P/N (RS232) 1 EXTERNAL ANTENNA :	URD-R42-A/U05-xx/3	HANDS FREE CONTROL ACCESS
P/N (RS232) 2 EXTERNAL ANTENNAE :	URD-R42-B/U05-xx/3	EVENTS
P/N (RS232) 3 EXTERNAL ANTENNAE :	URD-R42-C/U05-xx/3	
P/N (RS232) 4 EXTERNAL ANTENNAE :	URD-R42-D/U05-xx/3	

MOBILE MOUNTING KIT AND POWER SUPPLY (OPTIONAL)

Distances mentioned can vary from vehicule to vehicule and with imprevious windscreens.

➤ Personalization service

We offer you the possibility to adapt our readers to your specific needs to let you personalize your offer to your colors.
We do know that each client is unique, that is the reason why we offer you unique products.

Our range of products :

1/ Proximity Readers:
* Development of a product that will exclusively answer to your needs and constraints: specific protocol, cable length, etc...
* Logo customization.
* Possibility to choose your reader's or spacer's color.
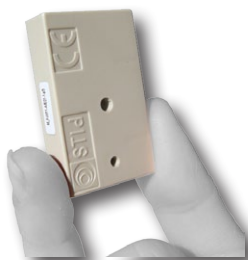
ENGRAVING

COLOR-MARKING

CASING COLOR

COLORED SPACERS

2/ Hands Free Readers :
* Logo customization.
  - color panel printing
  - plexiglas panel for a better resistance.
* STid artwork department able to create a graphic display upon request.

Conditions apply. Please contact us for any customization request
(minimum order quantity)

PEOPLE IDENTIFICATION

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSORIES AND SERVICES

STid
Electronic Identification

▶ MS RFID OEM Module

125 kHz OEM ultra compact proximity RFID module. Very easy to integrate into existing equipment to bring contactless RFID reading or writing.
Read-Only (0-7 cm) / Read-Write (0-3.5 cm). Built-in antenna - Protected resin potted electronics - 5V DC power supply - HE14 connector.
-> Read-only mode
Wiegand - Data / Clock
-> Read-write mode
RS232 TTL

READ ONLY/WRITE

0-7 CM

IP67

44,5x27x10 MM

P/N (TTL) :	MS-R11-B/E01-xx/Y		
P/N (RS232) :	MS-W11-B/E01-xx/Y	XX : PROTOCOL VARIANT	APPLICATIONS :
		Y : COLOR	OEM INTEGRATION
AVAILABLE WITH OR WITHOUT CASING			HANDHELD TERMINALS

▶ MDS RFID OEM Module

125 kHz OEM medium range proximity RFID module. External antenna.
Reading distance: 0 to 19 cm (with 7x9 cm basic antenna). Allows adapting different antenna shape or size.
Read-only (0-19 cm) - Protected resin potted electronics - 5V DC power supply.

Wiegand - Data / Clock
See p.35 for STS antenna.

READ ONLY

0-17/19 CM

IP67

70x27x10 MM

P/N (TTL):	MDS-R11-A/E01-xx/Y		
		XX : PROTOCOL VARIANT	APPLICATIONS :
		Y : COLOR	OEM INTEGRATION
AVAILABLE WITHOUT RESIN PROTECTION			HANDHELD TERMINALS

▶ Mifare® OEM RFID Module

Read only or Read & Write RFID OEM module compliant with ISO standards 14443 A, B or ISO 15693. Compatibility with Mifare®, secured Mifare®, I-code chips. Internal antenna - 5V DC power supply. 2 distinct versions ISO14443A/B and 15693.
-> Read-only mode:
Wiegand - Data / Clock
-> Read-write mode:
RS232 TTL
* according to the chips

CSN READ

READ SECTOR

READ ONLY/WRITE

ISO 14443 A/B

ISO 15693

0-5 CM*

60x35x7 MM

P/N (TTL) R/O :	MS-R31-x/YYY	XX: PROTOCOL VARIANT	APPLICATIONS :
P/N (RS232) R/W :	MS-W31-x/YYY	Y: COLOR	OEM INTEGRATION
		Z: ANTENNA VARIANT	

▶ MS - Multitechnology OEM RFID Module

ISO14443-3A - ISO14443-3B - ISO15693-2 - ISO15693-3
Thanks to its reading performance and its broad compatibility it will integrate easily in any environment. Internal antenna – 5V DC power supply.

-> Read-only mode:
Wiegand - Data / Clock - RS232

CSN READ

READ SECTOR

0-5 CM

60x35x7 MM

| P/N (TTL) : | MS-R32-A/w03-5x/Y | XX: PROTOCOL VARIANT | APPLICATIONS : |
| P/N (RS232) : | MS-R31-A/X03 | Y: COLOR | OEM INTEGRATION |

▶ M-One OEM RFID Module

Mini Read-only or Read & Write RFID OEM module compliant with ISO 14443 A. Compatibility with Mifare®, secured Mifare®, I-code chips. One of the smallest modules on the market - 5V DC power supply.
(delivered without antenna)
-> Read-only mode:
Wiegand - Data / Clock
-> Read-write mode:
RS232 TTL

CSN READ

READ SECTOR

READ ONLY/WRITE

ISO 14443 A

27x30,5x5,3 MM

P/N R/O (TTL) :	M1-R31-A/1A3-xx/0		APPLICATIONS :
P/N SECURED R/O (TTL) :	M1-R31-A/PH1-xx/0	XX: PROTOCOL VARIANT	OEM INTEGRATION
P/N SECURED R/W (TTL) :	M1-W31-A/PH1-xx/0		

▶ MS OEM - RFID Module
ULTRALIGHT C, MIFARE CLASSIC, MIFARE PLUS & DESFIRE EV1

Read-only or Read & Write RFID OEM module compliant with Ultralight C, Mifare Classic, Mifare Plus and DESFire EVI chips (compatible with ISO 14443 A and PUPI ISO 14443-3B).
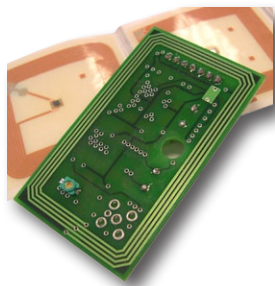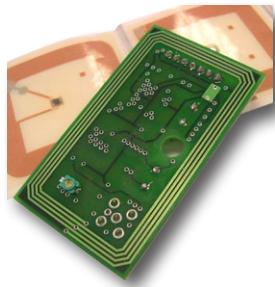Internal antenna - 5V DC power supply.

READ ONLY/WRITE

0-5 CM

60x35x7 MM

P/N R/O (TTL) :	MS-R31-E/103-xx		APPLICATIONS :
P/N SECURED R/O (TTL) :	MS-R31-E/PH5-xx	XX: PROTOCOL VARIANT	OEM INTEGRATION
P/N Secure Plus secured R/O (TTL) :	MS-S31-E/PH5-xx		
P/N R/W (RS232) :	MS-W31-E/PH5- 5AA/Y		

STid
Electronic Identification

IDENTIFIERS

Technologies, norms, your tag

Throughout the years and projects, STid has constituted a wide range of standard or specific tags answering to very different needs and applications.

Our technological mastery guarantees you today the best results for your RFID application.

By mastering tag components, that is chip, antenna and packaging, STid designs and develops tags perfectly answering to your identification needs in the following industries:

- Access control, person identification
- Cashless applications
- Fidelity
- Multi applications

▶ 125 kHz +13.56 MHz Contactless Cards

Several versions available:
- Basic, high quality, high resistance, read write, programmable.

«Magnetic stripe» option available upon request.

READ ONLY

READ WRITE

125 KHz

13.56 MHz

PLEASE REFER TO THE PRICE LIST FOR THE REFERENCE.

APPLICATIONS :
ACCESS CONTROL AND PEOPLE IDENTIFICATION

▶ 125 kHz + 13.56 MHz HYBRYD Prox Cards

STid Hybrid cards enable an easy migration of your contactless identification system. Wide range of identification applications.

«Magnetic stripe» option available upon request.

READ ONLY

READ WRITE

125 KHz + 13.56 MHz

PLEASE REFER TO THE PRICE LIST FOR THE REFERENCE.

APPLICATIONS :
ACCESS CONTROL AND PEOPLE IDENTIFICATION

▶ Disposable Proximity Paper Tickets

Ideal for a short-term or temporary use.
Uses contactless technology.
With its security and adaptability characteristics along with its easy integration it is the ideal solution for ticket-booth systems in public transport, access control systems, etc.

READ ONLY

READ WRITE

13.56 MHz

PLEASE REFER TO THE PRICE LIST FOR THE REFERENCE.

APPLICATIONS :
TICKETING, EVENTS

▶ Adhesive Tag

White polypropylene tag (40x40).
Available with 13.56 MHz chips (makes it possible to integrate Mifare technology to already existing cards).
(Please refer to the price to know which chips are available)

mifare
MIFARE
Desfire EV1

READ WRITE

13.56 MHz

P/N : ETP-xxx/y   XXX : CHIP
                          Y : MODEL/OPTIONS

APPLICATIONS :
ACCESS CONTROL AND PEOPLE IDENTIFICATION

▶ Mifare + UHF Cards

Bitechnology card to manage both person and vehicle access control.

READ ONLY/WRITE

866 MHz / 13.56 MHz

JUSQU'À 3,50 M

P/N : CCTWR60_x

APPLICATIONS :
ACCESS CONTROL AND VEHICLE IDENTIFICATION

PEOPLE IDENTIFICATION

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSORIES AND SERVICES

STid
Electronic Identification

▶ ABS Proximity Key Holder

ABS proximity key holder.
Standard black/grey colour.
Other colours upon request.
Available with 125 kHz or 13,56MHz chips.
(Please refer to the price list for available chips).

READ ONLY

READ WRITE

125 KHZ

OPTION : ENGRAVING	XXX : CHIP	APPLICATIONS :
P/N : PCS-xxx-y	Y : MODEL/OPTIONS	ACCESS CONTROL AND PERSON IDENTIFICATION

▶ Epoxy Proximity Key Holder

Epoxy key holder
Thickness: 1.6 mm
Available with 125 kHz or 13.56MHz chips.
(Please refer to the price list for available chips).
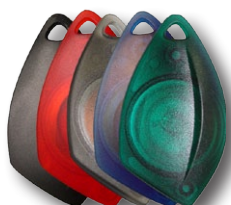
mifare

READ ONLY

READ WRITE

125 KHZ

13.56 MHz

OPTION : LASER ENGRAVING	XXX : CHIP	APPLICATIONS :
P/N : PCE-xxx-y	Y : MODEL/OPTIONS	ACCESS CONTROL AND PERSON IDENTIFICATION

▶ Design Proximity Key Holder

Design polycarbonate key holder;
Black, red, blue, smoked or brown.
Available with125 kHz or 13.56 MHz chips.
(Please refer to the price list for available chips).

mifare

READ ONLY

READ WRITE

125 KHZ

13.56 MHz

OPTION : ENGRAVING AND LASER NUMBERING	XXX : CHIP	APPLICATIONS :
P/N : PCD-xxx-y	Y : MODEL/OPTIONS	ACCESS CONTROL AND PERSON IDENTIFICATION

▶ Round Proximity Key Holder

Miniature ABS key holder
Thickness: 1.6 mm.
Available with 125 kHz + 13.56 MHz chips.

(Please refer to the price list for available chips).

mifare

READ ONLY

READ WRITE

125 KHZ

13.56 MHz

OPTION : MARQUAGE	XXX : CHIP	APPLICATIONS :
P/N : PCP-xxx-y	Y : MODEL/OPTIONS	ACCESS CONTROL AND PERSON IDENTIFICATION

▶ Prox Wristband

Proximity wristbands: with nylon straps. Waterproof - good for all environments (pools, recreation centers, etc.)

Available with 125 kHz + 13.56 MHz chips.
(Please refer to the price list for available chips).

mifare ® μem

READ ONLY

READ WRITE

125 kHz

13.56 MHz

P/N WRISTBANDS : BMS-xxx/Y	XXX : CHIP Y : MODEL/OPTIONS	APPLICATIONS : ACCESS CONTROL AND PERSON IDENTIFICATION

▶ Disposable Electronic Wristband

Ideal for a short-term or temporary use. Uses contactless technology.

With its security and adaptability characteristics along with its easy integration it is the ideal solution for the access control of swimming pools, parks, etc.

(Please refer to the price list for available chips).

iCODE

mifare ®

READ ONLY

READ WRITE

13.56 MHz

P/N : BJT-xxx/Y	APPLICATIONS : ACCESS CONTROL AND PERSON IDENTIFICATION

▶ Flexible Transparent PET Disc Tags

Proximity ultra-thin transparent polyurethane (PET) disc tags.
Adhesive version available.
Dimensions : diam. 20, 26, 50 mm / Thickness : 0.5 mm.
(Please refer to the price list for available chips).

READ ONLY

READ WRITE

125 kHz

13.56 MHz

P/N : DTL-xxx/Y (NON ADHESIF) P/N : DTA-xxx/Y (ADHESIF)	XX: PROTOCOL VARIANT Y : COLOR	APPLICATIONS : ACCESS CONTROL, TICKETING, CAR PARK

▶ Adhesive PVC Disc Tags

Proximity ultra-thin polyvinyl chloride (PVC) disc tags.
Dimensions : diam. 20, 25, 50 mm.
(Please refer to the price list for available chips).

READ ONLY

READ WRITE

125 kHz

13.56 MHz

P/N : DTP-xxx/Y	XX: PROTOCOL VARIANT Y : COLOR	APPLICATIONS : ACCESS CONTROL, TICKETING, CAR PARK

PEOPLE IDENTIFICATION

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSORIES AND SERVICES

STid
Electronic Identification

▶ Identifiers personalization

In order to increase the security of your access control or just to personalize it, STid offers you a wide range of services to personalize your cards, wristbands, key holders and RFID tags.

Cards

• **Sequential numbering printing***
Consists in printing a sequential number on the card which is independent from the physical number of the chip and enables to make look-up tables with the holder.

• **Physical numbering printing***
Consists in printing the chip's number directly on the card. The printing of the physical numbering makes it possible for cards without the name of its holder to identify who is the holder of the card and to integrate the card into the system.

• **Sequential encoding**
Makes it possible, with programmable cards, to ease the setup of your access control. The identifier number is registered in the card's memory (programmable 125 kHz, Mifare sector, etc.)

• **Monochromic printing**
Printing on the card in one color. Ideal for companies wanting to print fixed text (the holder's name) and color logo only.

• **Four-color printing**
Four-color printing of your cards. Ideal to promote the image of a company by customizing its cards fleet with its logo and colors.

*Different printing types available: laser, inkjet, thermal transfer.

Key Holders

• **Marking**
Key holders marking: sequential or physical numbering by inkjet or laser engraving.

Markings done on STid key holders.

VEHICLE IDENTIFICATION

STid has developed and patented an identification solution for vehicles.

Thanks to this innovative solution it is possible to identify static or moving vehicles at distances up to 10 meters with a windscreen or an exterior tag (body).

STid
Electronic Identification

READERS

UHF

IDENTIFICATION PEOPLE

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSOIRES AND SERVICES

UROne Vehicle Identification Reader

Middle distance - Built-in antenna

UR1 One

MOBILE MOUNTING KIT AND POWER SUPPLY (OPTIONAL)

Ideal for vehicle identification at middle distance.
(Up to 4 m in free field with UHF STid tags.)
The electronics of the UROne reader has been optimized to ensure the best price/performance ratio. 12V DC power supply. Loop detector.
Version ETSI : 866 MHz - Version FCC : 915 MHz
Anticollision protocol (up to 4 tags)
EPCI Gen2 / ISO 18000-6C technology.
Wiegand - Data / Clock - RS232

READ ONLY

866-915 MHz

306x296x81 MM

UP TO 4 M

IP66

-20 / +70°C

P/N (TTL) ETSI :	UR1-R41-C/U04-xx/3		
P/N (TTL) FCC :	UR1-R51-C/U04-xx/3	XX : PROTOCOL VARIANT	APPLICATIONS :
P/N (RS232) ETSI :	UR1-R42-C/U04-xx/3		VEHICLE ACCESS CONTROL
P/N (RS232) FCC :	UR1-R52-C/U04-xx/3		FLEET MANAGING

URC Vehicle Identification Reader

Long distance - Built-in antenna

MOBILE MOUNTING KIT AND POWER SUPPLY (OPTIONAL)

Conceived for vehicle identification applications. 12V DC power supply.
ETSI version: 866 MHz - FCC version: 915 MHz
Reading distances: Teletag®: up to 7 m - Metal vehicle tag: up to 10 m.

Anticollision protocol (up to 4 tags).
ISO 18000-6B or EPCI Gen2 / ISO 18000-6C technology.
Wiegand - Data / Clock - RS232

READ ONLY

866-915 MHz

306x296x81 MM

UP TO 10 M

IP66

-20 / +70°C

P/N (TTL) ETSI :	URC-R41-C/U05-xx/3		
P/N (TTL) FCC :	URC-R51-C/U05-xx/3	XX : PROTOCOL VARIANT	APPLICATIONS :
P/N (RS232) ETSI :	URC-R42-C/U05-xx/3		VEHICLE ACCESS CONTROL
P/N (RS232) FFC :	URC-R52-C/U05-xx/3		FLEET MANAGING

URD Vehicle Identification Reader

Long distance - External antenna - Multi antennas

MOBILE MOUNTING KIT AND POWER SUPPLY (OPTIONAL)

Same technical characteristics as the URC reader.
+ Up to 4 antennas can be connected to the URD reader so that you can identify up to 4 vehicle lanes at the same time.

Offset antenna: 3m cable supplied (9m cable delivered upon request).
ISO 18000-6B or EPCI Gen/2 ISO 18000-6C technology.

Wiegand - Data / Clock - RS232

READ ONLY

866-915 MHz

306x296x81 MM

UP TO 10 M

IP66

-20 / +70°C
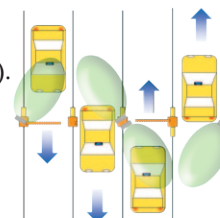
P/N (TTL) 1 EXTERNAL ANTENNA :	URD-R41-A/U05-xx/3		
P/N (TTL) 2 EXTERNAL ANTENNAS :	URD-R41-B/U05-xx/3		
P/N (TTL) 3 EXTERNAL ANTENNAS :	URD-R41-C/U05-xx/3		
P/N (TTL) 4 EXTERNAL ANTENNAS :	URD-R41-D/U05-xx/3	XX : PROTOCOL VARIANT	APPLICATIONS :
P/N (RS232) 1 EXTERNAL ANTENNA :	URD-R42-A/U05-xx/3		VEHICLE ACCESS CONTROL
P/N (RS232) 2 EXTERNAL ANTENNAS :	URD-R42-B/U05-xx/3		FLEET MANAGING
P/N (RS232) 3 EXTERNAL ANTENNAS :	URD-R42-C/U05-xx/3		
P/N (RS232) 4 EXTERNAL ANTENNAS :	URD-R42-D/U05-xx/3		

Distances mentioned can vary from vehicule to vehicule and with imprevious windscreens.

▶ UHF Antenna

Circular polarization UHF antenna; connectable to the URD reader.

866 MHz angle of flow :
  Horizontal - 32° / + 28°   Vertical - 38° / +36°

916 MHz angle of flow :
  Horizontal - 42° / + 24°   Vertical - 36° / +36°

Type N connector.

866-915 MHz

306x296x81 MM

IP66

-20 /+ 70°C

MOBILE MOUNTING KIT (OPTIONAL)

P/N : ANT-URD

APPLICATIONS :
ENCODING, AUTHENTICATION

▶ STR – UHF Reader / Encoder

Multi-protocols integrated UHF encoder.
The STR Reader/Encoder enables Teletag and TML programming in EPCI Gen2 technology.

Intern antenna and USB interface (self-fed).
ABS casing - Bicolor led - Buzzer

READ ONLY

866-915 MHz

126x80x24/30 MM

0-8 CM

IP66

0 - 70°C

P/N (USB) CORDON SET SUPPLIED : STR-W45-A/UH3-5S/1

APPLICATIONS :
ENCODING, AUTHENTICATION

▶ UHF Cards

UHF EPC1 Gen2 card. Ideal for vehicle identification.

UHF

READ / WRITE

866 MHz

UP TO 3,50 M

P/N :	CCT-W36M_x

APPLICATIONS :
VEHICLE IDENTIFICATION

▶ Mifare + UHF Cards

BiTechnology card making possible to manage both pedestrian and vehicle access control.

mifare
UHF

READ / WRITE

866 MHz / 13.56 MHz

UP TO 3 M

P/N :	CCTWR60_x

APPLICATIONS :
ACCESS CONTROL AND
VEHICLE IDENTIFICATION

▶ Teletag STid Windscreen Tag

UHF Tag for vehicle identification (Patent pending)
* Passive tag (no battery): virtually unlimited lifetime.
* Suited for any kind of windscreen with constant performances
* Chip ISO18000-6B: unique serial number.
* Chip EPC1 GEN 2: programmable EPC 96 bits number.
* Reading distances: up to 7m with URC reader.
Exists in impervious windscreen (ETSI) version: reading distance up to 5 m with URC reader.

TeleTag
UHF

READ ONLY

866-915 MHz

70x30x11 MM

UP TO 7 M

Options : Serigraphy, serial number, seal, quick fastening with TLT stand.
Easy installation with specific tape adapted to the windscreen thermal conditions.

STANDARD WINDSCREEN :	
P/N (ETSI) ISO 18000 -6B :	TLT-W22M-943_S
P/N (ETSI) EPC1 GEN 2 :	TLT-W36M-943_S
P/N (FCC) EPC1 GEN 2 :	TLT-W36U- 943_S
IMPERVIOUS WINDSCREEN :	
P/N (ETSI) ISO 18000 -6B :	TLTA-W22M-943_S
P/N (ETSI) EPC1 GEN 2 :	TLTA-W36M-943_S

APPLICATIONS :
VEHICLE ACCESS CONTROL
FLEET MANAGING

▶ TML All Stand Fitting Tag

Ideal for the identification of static or moving vehicles at a great distance.
* Passive tag (no battery): virtually unlimited lifetime.
* Suited for any kind of stand (metal, plastic, etc.).
* Resists environmental pressures
* Chip ISO18000-6B: unique serial number.
* Chip EPC1 GEN 2: programmable EPC 96 bits number.
* Reading distances: up to 10m with URC reader.

UHF

READ ONLY

866-915 MHz

258x23x15 MM

UP TO 10 M

IP65

P/N ISO 18000 B :	TML-W22M-1261
P/N EPC1 GEN 2 :	TML-W36M-1261

APPLICATIONS :
VEHICLE ACCESS CONTROL
FLEET MANAGING

OBJECT IDENTIFICATION

Readers and identifiers that are developed by STid are ideal to automatically identify pallets, cartons, agri-food containers and objects.

They all have been conceived to adapt themselves, to be highly resistant to industrial environments and to answer to legal constraints (especially in the agri-food field) while ensuring performance and simple setup.

STid
Electronic Identification
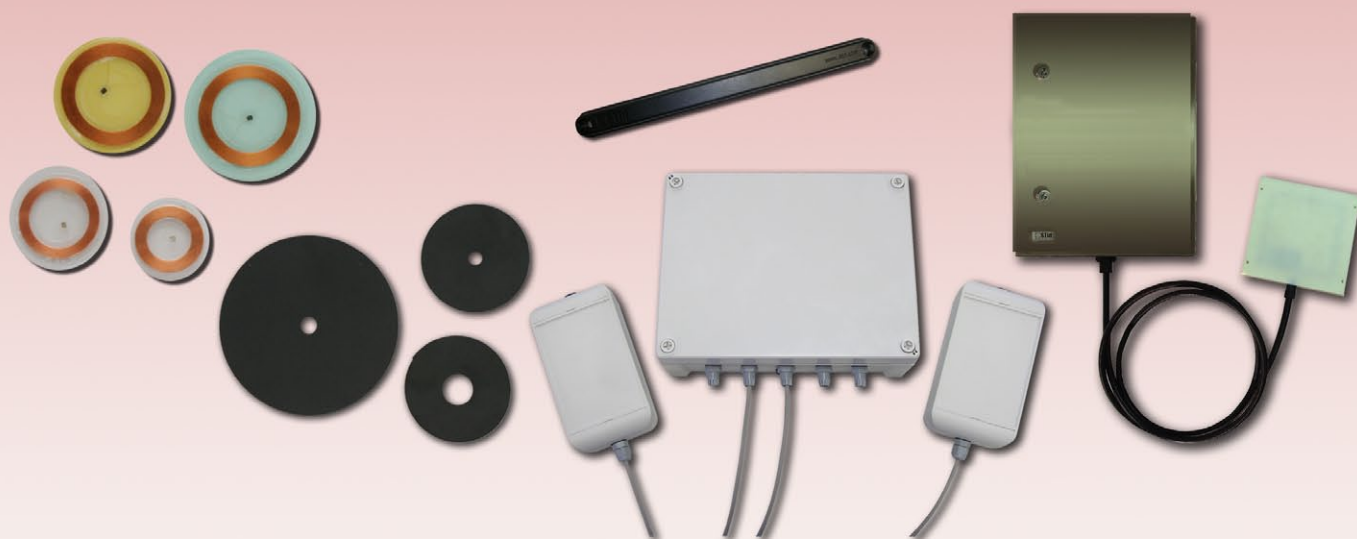
▶ MSi Industrial Reader

The MSi is an industrial reader compliant with ISO 15693. Double antenna - short range.
Compliant with the food and beverage industrial requirements.
Input for activation transducer
IP67 electronic casing – 12v DC power supply.
Ideal station conveyor left / right reading
RS232 / RS485 adr

READ WRITE
13.56 MHz
ISO 15693
0-7 CM
IP67

P/N (RS232) :	MSi-W32-A203-xx/1		
P/N (RS485) :	MSi-W33-A203-xx/1	XX: PROTOCOL VARIANT	APPLICATIONS : LOGISTICS & TRACEABILITY

▶ LXi Compact Industrial Reader

The LXi is a medium range industrial RFID reader - 0-50 cm according to the antenna and tag, 13.56 MHz ISO 15693. It is built in a stainless steel casing and integrates power supply and communication interface for an easy setup. The LXI is fully compliant with the food and beverage industrial requirements.
IP67 electronic casing - 12V DC, 24V DC or 220VAC power supply.

RS232/RS485 adr. / Ethernet

READ WRITE
13.56 MHz
ISO 15693
0-30 CM
IP67

P/N (RS232) :	LXi-W32-xx		
P/N (RS485) :	LXi-W33-xx	XX: PROTOCOL VARIANT	APPLICATIONS : LOGISTICS & TRACEABILITY
P/N (ETHERNET) :	LXi-W33-xx		

STid
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▶ URM Industrial UHF Reader

UHF Reader conceived for traceability and logistics applications in the industrial sector.
Middle distance reading : 5 m.
1 external antenna connection - 5V DC power supply.
EPC GEN 2.

RS232 - RS485 - USB - Ethernet

READ WRITE
866-915 MHz
0-5 M
IP66
-20 /+ 55°C

| P/N (ETSI) : | URM-W4x-C/U05-xx | APPLICATIONS : |
| P/N (FCC) : | URM-W5x-C/U05-xx | LOGISTICS |

▶ URF High Performance Industrial UHF Reader

High Performance UHF Reader conceived for traceability and logistics applications in the industrial sector.
Long distance reading : 10 m.
1 to 4 external antennae connection - 12V DC power supplyEPC GEN 2.

RS232 - RS485 - USB - Ethernet

READ WRITE
866-915 MHz
0-10 M
IP66
-20 /+ 55°C

| P/N (ETSI) : | URF-W4x-C/U05-xx | APPLICATIONS : |
| P/N (FCC) : | URF-W5x-C/U05-xx | LOGISTICS |

▶ STid UHF Antenna

UHF antenna designed for logistics applications.
Optimum use with the High Performance STid UHF Reader.
Gain : 5,24 dBi to 867 MHz
6,42 dBi to 915 MHz
Circular polarization.
50 ohms impedance.
Type N connector - Cable: 3 - 9 m

865-928 MHz
306x296x81 MM
IP66
-20 / + 70°C
ABS CASING

| P/N : | ANT/URD | APPLICATIONS : |
| | | LOGISTICS |

▶ STR – UHF Reader / Encoder

UHF GEN 2 encoder.
The STR reader / encoder enables the programming of UHF tags.

Intern antenna and USB interface (self-fed).
ABS casing - Bicolour Led - Buzzer

READ WRITE
866 MHz
126x80x24/30 MM
0-8 CM

| P/N (USB) CORDON SET SUPPLIED: | STR-W45-A/U05-xx | APPLICATIONS : |
| | | ENCODING, AUTHENTICATION |

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Electronic Identification

IDENTIFICATION PEOPLE

VEHICLE IDENTIFICATION

OBJECT IDENTIFICATION

ACCESSORIES AND SERVICES

▶ Pet Disc Tags

Proximity ultra-thin transparent polyurethane (PET) disc tags.
Dimensions : diam. 20, 26, 50 mm. / Thickness : 0.5 mm.
(Please refer to the price list for available chips.)

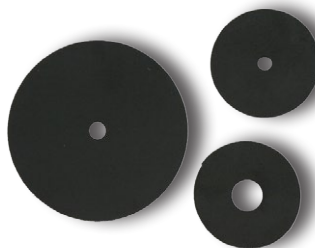## ▶ Adhesive Pet Disc Tags

Proximity ultra-thin transparent polyurethane (PET) disc tags.

Dimensions : diam. 20, 26, 50 mm. / Thickness : 0.5 mm.
(Please refer to the price list for available chips.)

mifare®

i-CODE   μem

READ ONLY/WRITE

125 KHz / 13.56 MHz

P/N :	DTA-xxx/y	XX : CHIP Y : MODEL / OPTIONS	APPLICATIONS : LOGISTICS & TRACEABILITY, INDUSTRIAL APPLICATIONS

▶ Epoxy Disc Tags

Proximity highly resistant fiber-reinforced epoxy disc tags.
Dimensions : diam. 20, 30, 50 mm (standard) / Thickness : 1 or 1.6 mm.
Optional centre hole (3.2 or 8.5 for diam. 30mm / 4.3 for diam 50 mm).
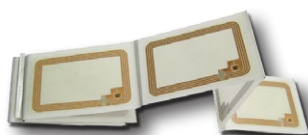(Please refer to the price list for available chips.)

mifare®

i-CODE   μem

READ ONLY/WRITE

125 KHz / 13.56 MHz

P/N :	DTE-xxx/y	XX : CHIP Y : MODEL / OPTIONS	APPLICATIONS : LOGISTICS & TRACEABILITY, INDUSTRIAL APPLICATIONS

▶ ISO 15693 RFID Labels

Wide range of 13.56 MHz labels compliant with ISO 15693,
Self-adhesive or not with different shapes available
Compatible with:
ST: LRI 64 82 K chips - NXP: I-Code chip - INSIDE: PicoTag & PicoPass chips -
Texas: Tag'IT chip.

READ WRITE

13.56 MHz

ISO 15693

ANTICOLLISION

P/N :	PLEASE REFER TO THE PRICE LIST AND CONTACT US.	APPLICATIONS : LOGISTICS & TRACEABILITY, INDUSTRIAL APPLICATIONS

▶ Agri-food Tags

Wide range of RFID labels and tags complying with the agri-food norms,
Compliance with: ISO 15693-3 chips.

READ WRITE

ISO 15693

ANTICOLLISION

P/N :	PLEASE REFER TO THE PRICE LIST AND CONTACT US.	APPLICATIONS : TRACEABILITY & AGRI-FOOD

▶ UHF passive tabels

Wide range of UHF labels, self-adhesive or not and different shapes available. Specific packaging for any support (metal, cardboard, glass...)
Compliance with:
- ISO180006B : Ucode HSL (NXP)
- ISO180006C : Ucode Gen2 (NXP), Higg 3 (Alien), Monza 3 (Impinj)

READ WRITE

869-915 MHz

ISO 18000-6

EPC1 GEN2

P/N : PLEASE REFER TO THE PRICE LIST AND CONTACT US.	APPLICATIONS : LOGISTICS & TRACEABILITY, INDUSTRIAL APPLICATIONS

▶ UHF Passive Hard tag

Passive UHF tag (no battery). Works on any support.
Ucode HSL or GEN2 chip.
Anticollision protocol.
IP67

READ ONLY

869 MHz

ANTICOLLISION

0-11 M

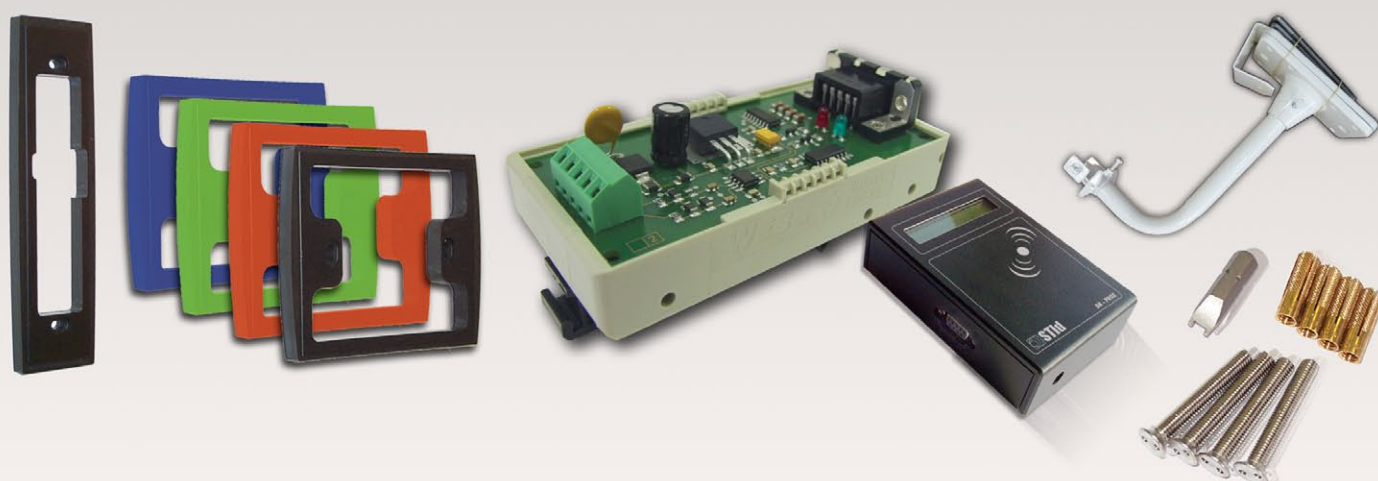| P/N ISO 18000 B : TML-W22M-1261 P/N GEN 2 : TML-W36M-1261	Y : MODEL / OPTIONS	APPLICATIONS : VEHICLE, CONTAINER, PALLET IDENTIFICATION

ACCESSORIES

STid has developed a complete range of accessories to easily install your RFID readers:

- Spacers for an easy wiring
- Mounting kits
- Converters

▶ Spacers For LXS & LXE Readers

Spacers for LXS and LXE readers.
The spacers give more room for cables and take away from metallic surfaces. Very discreet,
their shape follow the reader profiles.
Reader raising : + 7 mm

(Supplied automatically with LXS 13,56 MHz readers)

P/N :	BCK-LXE/NO		**APPLICATIONS :**
P/N :	BCK-LXS/NO	(CONTACT US FOR COLOR VARIANTS)	ACCESS CONTROL AND PERSON
P/N :	BCK-LX1/NO		IDENTIFICATION

▶ Anti-tear spacer for LXS

Built-in contactor used to manage the tear function of the reader. If the contactor opens,
the reader transmits the data to the management system to signal the tear.

P/N :	BCKS-LXS/NO	**APPLICATIONS :**
P/N :	BCKS-LXS/BL	ACCESS CONTROL AND PERSON
		IDENTIFICATION

▶ Smart RS232/RS485 Converter

Intelligent RS232/RS485 converter. Automatic detection of data flow and communication
parameters, or possibility to force them with jumpers.

DIN rack support.
RS485 connection : 5-terminal lever connector.
RS232 connection : Sub D9 plug.

P/N :	CNV-232/485

▶ Protocol converter TTL <-> RS232/RS485

Protocol interface
1) Converter TTL to RS232 or RS485 - Optional relay output (software
driven, RS485 model).
2) Converter 232/485 to TTL for Legic or UHF readers.

Communication monitoring leds - optional relay output (RS485) Max
distance Reader/Interface : 100m (TTL->232/485) / 1200m (485->TTL) / 15m (232->TTL).

TTL/RS232 :	INT-A-2L/5C	FOR LEGIC READER :	INT-A-5E/xx
TTL/RS485 :	INT-B-2L/7S		xx : PROTOCOL VARIANT
AVEC RELAIS :	INT-B-2L/7S		

STid
Electronic Identification

ACCESSORIES

▶ ## Demo Kit / Display For MS & MDS Module

This modular reader / demo kit for MS and MDS module is ideal to record or identify tags by displaying and transmitting tag code on a serial RS232 communication port.

Can be transformed into a 125kHz read-write tag encoder when equipped with a MS-W11 module. 12V DC power supply and serial cable supplied.

P/N :	DK-MSxx
P/N :	DK-MDSxx

▶ ## Security Screw Kit For AVX Reader

Security screw kit for AVX reader, including :
- 4 snake-eye screws
- 4 brass knuckled plugs
- 1 snake-eye special tool

P/N :	KIT-AVX

▶ ## Power Supplies

Power supplies for hands free and UHF readers: XLT, L51, LBS, UR1, URC, URD.

P/N (XLT, L51, LBS) :	ALM 220/6-12V
P/N (UR1, URC, URD) :	ALM UHF
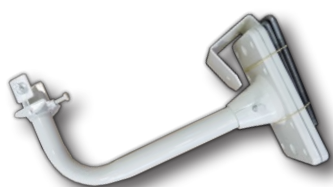
▶ ## Universal UHF Antenna Mounting Kit

Universal mounting kit for patch antenna. Ideal for fast and optimal installation of any RFID antenna. Adjustement on any axis can be done without tools.

- Rapid mounting on sur tube, wall, mast, partitions etc.
- 3 adjustable articulations - Orientation, polarisation and slope.

P/N :	KFX-ANT

▶ ## MLT Mounting Leg

Mounting leg for stainless steel MLT readers.

P/N :	PIED_MLT

▶ ## Cards Kit

STid offers different cards kits: configuration cards for 125 kHz, 13.56 MHz and UHF readers, but also cards kits to manage the 13.56 MHz readers' life signal.

P/N (Configuration cards 125 kHz readers) :	KIT-BC-125
P/N (Configurations cards 13.56 MHz readers) :	KIT-BC-13.56
P/N (Life signal cards) :	KIT-BSV

Identification People · Vehicle Identification · Object Identification · Accessoires and Service

STid Electronic Identification

TRAINING

MAKE YOUR RFID EXPERTISE MORE DYNAMIC

Reinforce your skills, update your knowledge about the various RFID technologies, distance yourself from your competition by getting innovative know-how: these are STid's goals and it aims to achieve them by offering you RFID trainings most closely corresponding to the needs of your professions.

STid suggests a catalog from the most generic training "Introduction to RFID technologies" to the most technical ones for programmers only.

STid is a funded training organization declared under the activity number 93 13 13328 13. As such, STid trainings are eligible for the Training Program and the Individual Training Rights.

Please contact your commercial department for further information.

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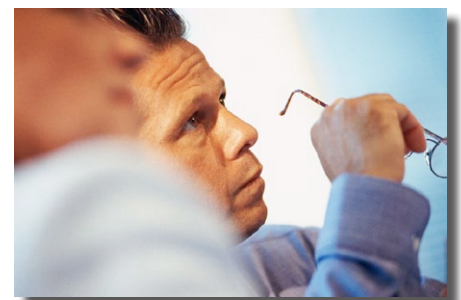
Proposal

STid professional services team is at your listening to design and develop custom software application to fulfil your requirements.

Putting together the experience of the mobile computing, remote data collection and radio frequency identification, STid has a unique match of those keys technology to easily develop the most advanced application.

Two Lines of Business: The same Commitment

As a RFID reader manufacturer, STid develops and manufactures products to rigorous demands of performance, usability, visual quality and reliability in order to meet customer's expectations. STid acts as well as a partner of your RFID project and therefore offers services including technical support, consulting and feasibility studies and training.

Consulting ant Technical Expertise Services

You need a feasibility study or technical expertise on a specific RFID topic? Take advantage of the expertise gained by our R&D team during the last 10 years.

CONTACT US FOR FURTHER DETAILS!

When starting your project with STid, all the steps of the development are clearly defined and documented. The process of development is documented at each step in our SOW (Scope Of Work) document.

With STid, professional services team, you keep control of your project and schedule as well as all the benefit of a clear visibility on the deliveries.
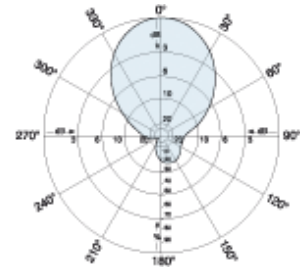
Specific tags developments (125 kHz, 13.56 MHz and UHF)

Upon request, we can make custom tags with any kind of chip or packaging: adhesive labels, special tags for metallic parts, performance optimization, special shapes or sizes, etc.
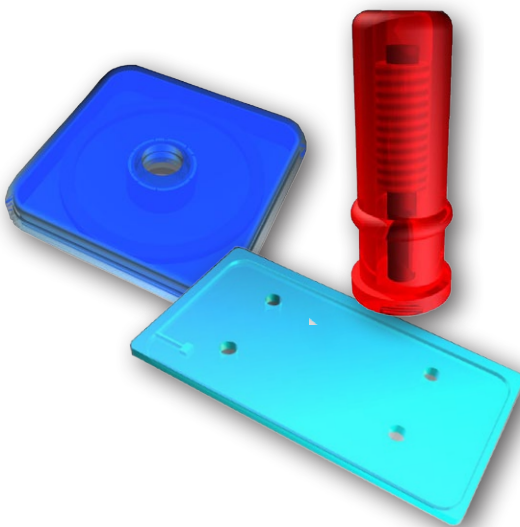
Call us!
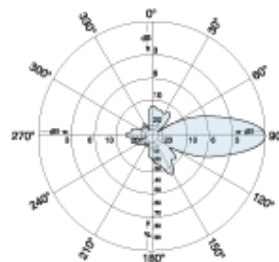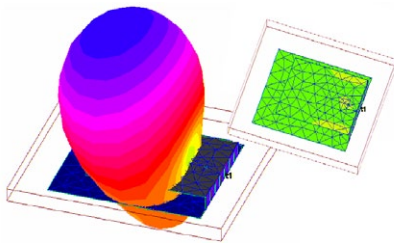
E-plane
Elevation pattern

H-plane
Azimuth pattern

Design, simulation and modeling

Mechanical design

Any kind of chip and technology

STid
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STid
Electronic Identification

- STid Agency
- STid Reseller

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South of France

Headquarters - South of France Agency
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