

STR Reader

Desktop proximity reader for SRi/SRiX chips

13.56 MHz



Identification & Security

▶ Cashless payment - Authentication

))) The STR is a 13.56 MHz proximity reader for desktop applications. Compliant with ISO14443B, the STR gives the possibility to develop read-write contactless solutions with high security for physical or logical access control, vending applications, etc.

))) Le STR is dedicated to the latest generation of contactless chips from STmicroelectronics, offering the most advanced security, cryptography and anticlone functions.



▶▶ Benefits

Simplicity and Security

Integrate smoothly the contactless technology into your application with a unique security. With the SRiX contactless chip family and the STR, you can implement the anti-clone function that prevents all kind of copies or emulations.

Ease of use

Available in RS232 or USB, it integrates with great simplicity into software applications.

Design

The reader is one of the rare visible parts of identification systems. Its look must then be taken very seriously. We are very aware of that and at STid we do not only provide performance products, but also great design to fit into your environment.

Specifications

- ▶ **Frequency** : 13.56 MHz
- ▶ **Mode** : lecture & écriture
- ▶ **Security** : Anti-Clone Function*
- ▶ **Reading distance** : up to 4.5 cm
- ▶ **Dimensions** : 126 x 80 x 24/30 mm
- ▶ **Interfaces** : RS232, USB
- ▶ **Protocoles** : Serial
- ▶ **Power supply** : 12V (10,5-15V)
- ▶ **Chip comptability** : ST Microelectronics
 - Line SRi and SRiX: 512o and 4Ko
 - Compliant with ISO 14443B.
- ▶ **Unique characteristics of the chips**
 - 40 years data retention
 - 1 million memory operations

* Personalized activation required upon request.

▶ Technologies



Innovation, Passion, Solution


Electronic Identification

STR Prox Reader

Desktop proximity reader for SRI/SRIX chips

13.56 MHz

Applications

- Cashless payment, loyalty, anti counterfeiting
- Authentication, identification, traceability
- Access Control

Specifications

Operating Frequency :

13.56 MHz

Chips supported :

ST ISO14443B chip family : SR176, SRIX512, SRI4K, SRIX4K

Reading distance** :

Up to 8 cm with an ISO card tag**

Communication Interfaces :

- RS232 port - serial asynchronous line (9600 or 115200 bds)
- USB : 1.5 Mbs port

Communication protocols :

- STid reader library + ST chips library, including for «X» series the authentication & anti-clone functions support.

Software tools :

DLL for Windows 98, ME, NT, 2000, XP

USB Driver

Connections:

- RS232 : DB9 female connector + power supply jack
- USB : type «B» plug

Led :

Programmable Led : none, red, green, amber

Beeper :

Programmable

Operating current :

100 mA

Power supply :

RS232 model : 9, 12, 15V DC

USB model : powered by interface

Material :

ABS

Operating temperature:

0°C to + 70°C

Part number :

RS232 version : STR-W32-A/St2-5b/1

USB version : STR-W35-A/St2-6a/1

****Caution :** information on reading distances depend on local installation conditions, the transponder size and type, and the power supply specifications.

Mechanical overview

Dimensions (in mm).



USB version

RS232 version



USB connector Type B (peripheral)



Female DB9 connector



A wide range of RFID transponders models can be used (cards, keyfobs, labels...)



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Technologies



Turning RFID into reality

STid
Electronic Identification