



ARCHITECT®

www.stid.com



Every now and again, things come along that completely transform our worldview, creating new benchmarks and challenging our well-worn concepts.

With its new Architect® concept, STid has created the perfect blend of high security and scalability.

STid is proud to present the first modular range of MIFARE® DESFire® or LEGIC® secure readers, offering both flexibility and simplicity. The Architect® readers are based on a smart common RFID core that can be connected to additional interchangeable modules: card reader, keypad, touch screen, biometrics...

▲ HIGH SECURITY

Easy access to high security

▲ MULTI-TECHNOLOGY

Ensure secure migration

▲ VANDAL PROOF

Standing the test of time

▲ DESIGN

Let your imagination flow



▲ SCALABILITY AND MODULARITY

Create your own scalable configuration

The Architect® series is intuitive and dynamic, made up of 4 interchangeable modules, easy to connect to a smart common RFID core. The concept is tailored to your needs, offering an optimum solution for any situation and enabling all the functionalities and security levels to be upgraded across all your readers.

The easy and cost saving modularity concept allows you to keep control of the access security management. The modular concept offers a greater degree of availability and services, whilst optimizing your inventory management by reducing the catalogue size by 40%.

▲ CREATE YOUR OWN SCALABLE CONFIGURATION



6 possible configurations

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

▲ HIGH SECURITY

Easy access to high security

STid is the first RFID manufacturer to have received First Level Security Certification (CSPN)*. This certification is a recognition of our unique know-how, the technological and security expertise that are implemented in your access architecture, whether new or existing.

Architect® readers use the latest MIFARE® and LEGIC® contactless chip technologies with new data security mechanisms. They allow the implementation of public encryption algorithms (TDES, AES, RSA, SHA...), as recommended by official data security bodies (such as the French national agency ANSSI).

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



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

▲ MULTI-TECHNOLOGY

Ensure secure migration

The multi-technology Architect® range makes it easy to manage extensions, upgrades and technology migrations.

Two reader versions are available:

- **MIFARE®** : ISO 14443 A & B/ISO 18092 - read and write of MIFARE Ultralight®, Classic, Ultralight® C, MIFARE Plus® (S & X), DESFire® EV1 & EV2, iCLASS®/PicoPass®, NFC, CPS3 (IAS protocol) and Moneo chips.

- **LEGIC®** : ISO 14443A/ISO 15693/LEGIC® RF Standard - read and write of LEGIC® Advant and Prime chips, CSN of all the MIFARE® range and iCLASS®/PicoPass® chips.

Readers in the Architect® range can also be reprogrammed on site to upgrade to future technological options.



▲ 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 clear pure lines.

By day or by night, the Architect® range displays its elegance with its set of multi-colored, high-intensity LEDs.

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

CUSTOMIZABLE MULTI-COLORED LEDs
(RGB, 360 colors) ▲ ▲ ▲

CASING COLOR CHOICE

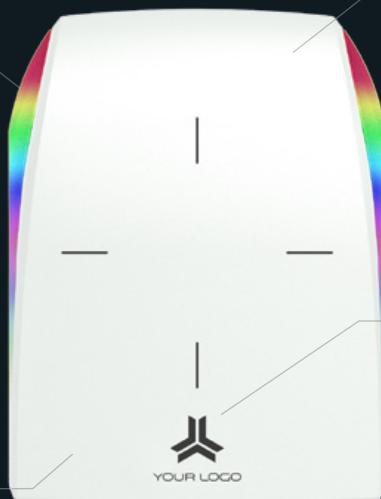


CASING WITH MATERIAL-EFFECT
"Skin effect"

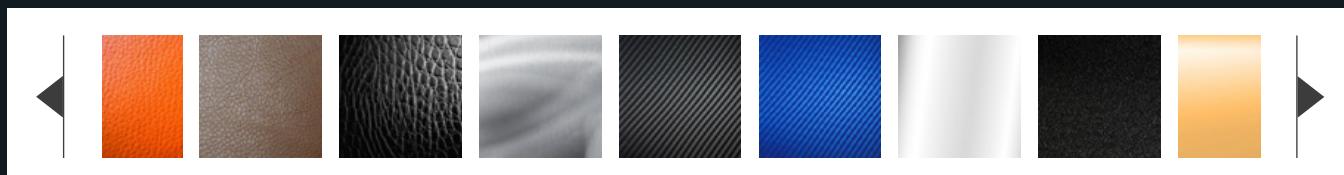
LOGO PRINTING

Tampography 

Ink-jet printing HQ 



Choose from over 100 skin effects:



▲ SPECIFICATIONS

RFID function	MIFARE® version	LEGIC® version
Operating frequency/Standards	13.56 MHz - ISO14443 A & B, ISO18092 (NFC)	13.56 MHz - ISO14443A, ISO15693, LEGIC® RF Standard
Chip compatibility	MIFARE Ultralight® & Ultralight® C, MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® EV1 & EV2, NFC, SMART MX, CPS3, Moneo, iCLASS®, PicoPass®	LEGIC® Advant & Prime/CSN of chips: MIFARE Ultralight® & Ultralight® C, MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® EV1 & EV2, iCLASS®, PicoPass®, ISO15693-3
Functions	Read only: CSN or private ID (sector/file) / Secure Protocol (Secure Plus) - Read/Write (SSCP and SSCP2)	Read only: CSN or private ID (sector/file) Read/Write (SSCP)
Reading distances *	Up to 8 cm with a MIFARE® Classic card Up to 6 cm with a MIFARE® DESFire® EV1 card	Up to 8 cm with a LEGIC® Prime card Up to 6 cm with a LEGIC® Advant card
Communication interfaces	2 possibilities: - TTL/RS232: Data Clock (ISO2), Wiegand or RS232 - TTL/RS485: Data Clock (ISO2), Wiegand or RS485 MIFARE® version only: optional ciphered S31/S32/S33	
Connections	10-pin plug-in connector (5 mm) 2-pin plug-in connector (5 mm): O/F contact - Tamper detection signal	
Integrated UHF chip	EPC 1 Gen 2 for reader configuration	-
Light indicator	2 RGB LEDs - 360 colors Configuration by card, UHF technology, soft and external command (OV) in R3x/S3x - By soft in W3x	2 RGB LEDs - 360 colors Software-configuration in R3x & W3x
Audio indicator	Internal buzzer Configuration by card, UHF technology, soft and external command (OV) in R3x/S3x - By soft in W3x	Internal buzzer Software-configuration in R3x & W3x
Power requirement/"Eco" function	Typical 100 mA/12VDC / 25% reduction in Eco function	Typical 130 mA/12VDC
Power Supply	7 VDC to 28 VDC	
Material	ABS-PC UL-V0 (black)/ASA-PC-UL-V0 UV (white)	
Dimensions (h x l x p)	107 x 80 x 26 mm	
Operating temperatures	- 20°C to + 70°C/Humidity: 0 - 95%	
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patent pending)	
Protection/Resistance	IP65 (excluding connectors)/Reinforced vandal proof structure IK10	
Certifications	CE & FCC	CE
Mounting	Wall mount/Flush mount (European flush boxes 60 & 62 mm) Compatible with any surfaces and metal walls	

Keypad function

Keypad	Capacitive Touch keypad - 12 backlit keys Activated/deactivated by card and UHF technology in R3x/S3x - By soft in W3x	Capacitive Touch keypad - 12 backlit keys Activated/deactivated by soft in R3x & W3x
Dimensions (h x l x p)	107 x 80 x 26 mm	
Operating temperatures	- 20°C to + 70°C/Humidity: 0 - 95%	
Protection/Resistance	IP65 (excluding connectors)/Reinforced vandal proof structure/High resistant laser marking of keys	

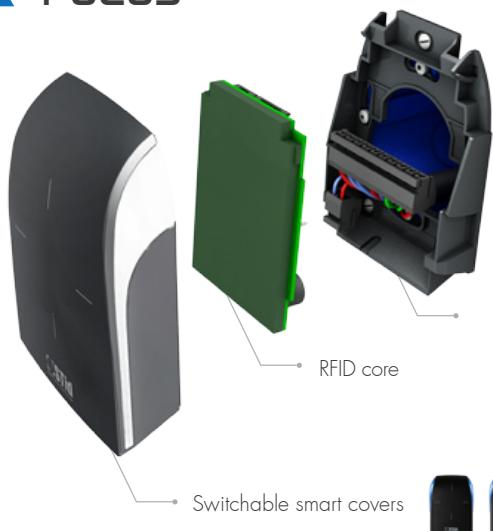
Touch screen function

Type	Color touch screen
Touch screen size	2,8'' - 240 x 320 pixels
Touch keypad	12 keys - Standard or scramble pad function
Dimensions (h x l x p)	128 x 80 x 31 mm
Operating temperatures	- 10°C to + 60°C
Protection	IP65 excluding connectors
Doorbell function	Activated/deactivated according to your configuration

Biometrics function

Fingerprint sensor	Optical (SAGEM MorphoSmart™)
Identification time	≤ 1 second
Collecting area	14 x 22 mm
Dimensions (h x l x p)	60 x 80 x 62 mm (biometric module only)
Operating temperatures	- 10°C to + 50°C
Protection	IP65 excluding connectors

▲ FOCUS



"Smart fix" base
Compatible with
European flushboxes
(58 and 60 mm)



Energy-saving function*

Low energy consumption with "Eco" function



Easy multi-mode configuration

Card*, UHF technology* and secure connection



Vandal proof/High resistant

High robustness - Inside/Outside uses
IP65 (excluding connectors)

*MIFARE® version only



STid Secure Common Protocol

Readers fully compatible with the
SSCP communication protocol.

*Caution: information about the distance of communication: measured from the centre of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, power supply voltage and reading functions (secure reading).

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Made in France*

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