ARCHITECT

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 secure readers, offering both flexibility and simplicity. By optimizing the design, we have developed a common RFID core that can be connected to a set of additional modules, such as a keyboard, biometrics or a touch screen…

▲ HIGH SECURITY

Easy access to high security

▲ MULTI-TECHNOLOGY

Ensure secure migration

▲ VANDAL PROOF

Standing the test of time

▲ DESIGN

Let your imagination flow

▲ MODULAR SOLUTION

Create your own scalable configuration

The first ever modular range - offering you maximum flexibility! The Architect® range is intuitive and dynamic, made up of smart, easy-to-connect modules. The concept can be 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 modular nature of the range offers a greater degree of availability and services, whilst optimizing your inventory management by reducing the catalogue size by 40%.

▲ 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 and the technological and security expertise that is implemented in your architecture, whether new or existing.

Architect® readers use the latest MIFARE® contactless chip technologies with new data security mechanisms. They implement public encryption algorithms (TDES, AES, RSA, HMAC-SHA-2, etc.), 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. 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.

▲ MULTI-TECHNOLOGY

Ensure secure migration

The multi-technology Architect® range makes it easy to manage extensions, upgrades and technology migrations. Readers are compatible with leading market standards: ISO14443 type A & B and ISO18092. They support simultaneous reading of all chips in the NXP MIFARE® family: Ultralight®, Classic, Ultralight® C, MIFARE Plus® (S & X), DESFire® and DESFire® EV1. They also support more specific products such as iCLASS® and PicoPass® chips, the CPS3 card used by French health professionals (IAS protocol), Moneo and NFC identification.
Readers in the Architect® range can also be reprogrammed on site to upgrade to future technological options.

MIFARE *Plus*   MIFARE *DESFire EV1*   NFC   moneo   CPS₃

▲ 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
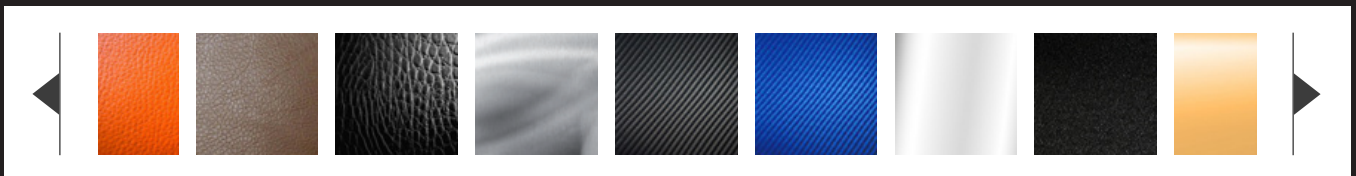(RGB, 256 colors) ▲ ▲ ▲

CASING COLOR CHOICE

LOGO PRINTING

Tampography

Ink-jet printing HQ

CASING WITH MATERIAL-EFFECT
"Skin effect"

YOUR LOGO

Choose from over 100 skin effects:

▲ SPECIFICATIONS

RFID function

Operating frequency/Standards	13.56 MHz. ISO14443 type A, ISO14443 type B, ISO18092 (NFC)
Chip compatibility	MIFARE Ultralight®, MIFARE Ultralight® C, MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire®, MIFARE® DESFire® EV1, NFC, SMART MX, CPS3, Moneo, iCLASS®, PicoPass®
Functions	Read only: CSN or private ID (sector/file) / Secure Protocol (Secure Plus) Read-Write (SSCP and SSCP2)
Reading distances*	Up to 8 cm with a MIFARE® Classic card Up to 6 cm with a MIFARE Plus®/DESFire® EV1 card
Communication interfaces	2 possibilities: - TTL/RS232: Data Clock (ISO2), Wiegand (optional ciphered - S31) or RS232 (optional ciphered - S32) - TTL/RS485: Data Clock (ISO2), Wiegand (optional ciphered - S31) or RS485 (optional ciphered - 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 Card-configuration, UHF technology-configuration, software-configuration and external command (0V) in R3x/S3x versions Software-configuration in W32/W33 versions
Audio indicator	Internal buzzer - Card-configuration, UHF technology-configuration, software-configuration and external command (0V) in R3x/S3x versions Software-configuration in W32/W33 versions
Power requirement/«Eco» function	Typical 100 mA/12VDC / 25% reduction in Energy-saving function
Power supply	7 VDC to 28 VDC
Material	ABS-PC UL-V0
Dimensions (h x w x d)	107 x 80 x 26 mm
Operating temperatures	- 20°C à + 70°C/Humidity: 0 - 95%
Tamper Switch	Accelerometer-based tamper detection system with key deletion option
Protection/Resistance	IP65 (excluding connectors)/Reinforced vandalproof structure IK10
Mounting	Wall mount/Flush mount (European flushboxes 60 & 62 mm) Compatible with any surfaces and metal walls

Keypad function

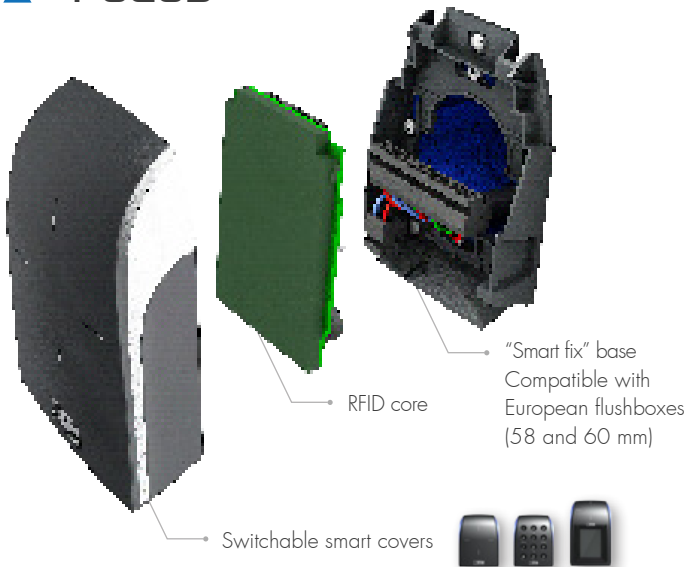|	
Keypad	Touch keypad (capacitive) - 12 backlit keys Activated/deactivated by card and UHF technology in R3x and S3x versions and software-controlled in W32/W33 versions
Dimensions (h x w x d)	107 x 80 x 26 mm
Operating temperatures	- 20°C to + 70°C / Humidity: 0 - 95%
Resistance	IP65 (excluding connectors)/Reinforced vandalproof structure

Biometrics function

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

Touch screen function

Type	Color touch screen
Touch screen size	2,8'' - 240 x 320 pixels
Touch keypad	12 keys - Scramble pad function
Dimensions (h x w x d)	128 x 80 x 31 mm
Operating temperatures	- 10°C to + 60°C
Resistance	IP65 (excluding connectors)

▲ FOCUS

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

RFID core

Switchable smart covers

Energy-saving function
Low energy consumption with "Eco" function

Easy multi-mode configuration
Card, UHF technology and secure connection

Vandalproof
High resistance - Inside/Outside uses
IP65 (excluding connectors)

SECARD

Fully compatible with the high security S.I.S range and SECard configuration software

*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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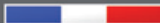
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