ARCHITECT®

RFID, NFC AND BLUETOOTH® ACCESS CONTROL

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® readers offering both flexibility and simplicity.

Architect® readers are based on a smart RFID core (optional Bluetooth®) to which various interchangeable modules can be connected, such as card reader, keypad, touchscreen, biometric sensor and 125 kHz device to make your technology migrations easy to manage.

The most awarded access control reader around the world

HIGH SECURITY
Easy access to high security

DESIGN & CUSTOMIZABLE
Let your imagination flow

VANDAL-PROOF
Standing the test of time

MULTI-TECHNOLOGY
Make your migration simple

SCALABILITY AND MODULARITY
Create your own scalable configuration

The Architect® series is intuitive and dynamic, and consists of 5 interchangeable modules that can easily be connected to a smart RFID core (optional Bluetooth®). 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%.

CREATE YOUR OWN UPGRADABLE CONFIGURATION

8 possible configurations

1 unique RFID* core, 3 interchangeable covers, 1 biometric sensor and a 125 kHz card module**

RFID and Bluetooth® core*

Card reader
+ keypad

Card reader

Card reader
+ keypad
+ biometrics

Card reader
+ biometrics

Card reader**
+ keypad
+ 125 kHz module

Card reader**
+ 125 kHz module

Card reader
+ touchscreen
+ scramble keypad

Card reader
+ touchscreen
+ scramble keypad
+ biometrics

EASY ACCESS TO HIGH SECURITY

STid is the first RFID manufacturer to have received First Level Security Certification (CSPN)* and to offer access solutions compliant with new European regulations on personal data protection (GDPR). It's a recognition of our unique know-how, the technological and security expertise that are implemented in your access architectures, whether new or existing.

Keep control and remain fully independent in your access control management. All public encryption algorithms can be used (3DES, AES, RSA, SHA...), which are recommended by official data security agencies (such as the French national agency ANSSI).

The Architect® readers use the latest MIFARE® DESFire® EV2 contactless chips with new data security mechanisms:
 - **Secure Messaging EV2**: secure transaction method based on AES-128.
  - **Proximity Check**: enhanced protection against relay attacks.

Best Market Self-protection

—— The patented tamper protection system protects sensitive data and gives the possibility to delete the authentication keys. Unlike the current solutions on the market, the reliability of the accelerometer-based technology avoids it being outsmarted.

The Architect® Blue range uses an EAL5+ certified crypto processor to encrypt your data.

MAKE YOUR MIGRATION SIMPLE

The multi-technology Architect® range makes it easy to manage extensions, upgrades and technology migrations. Readers are available in the following versions:

Classic EV1, Ultralight®, Plus®, DESFire® EV1 & EV2, NFC (HCE), iClass™** (CSN), Orange Pack ID, Bluetooth® (optional), 125 kHz (with SE8 module).

STid Mobile ID®
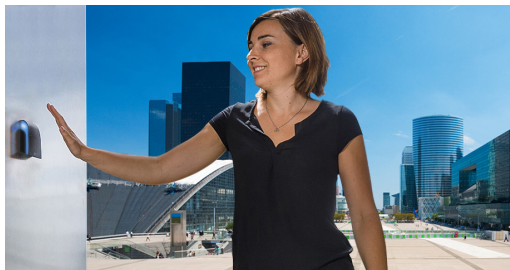
NFC Bluetooth®

With the Bluetooth® option, choose your identification modes to make your access controls both secure and much more instinctive:

Badge   Remote   Tap Tap   Slide   Hands-free

LEGIC® innovation in ID technology

ISO14443A / ISO15693 / LEGIC® RF Standard - read for LEGIC® Advant and Prime chips, CSN for the entire MIFARE® range, iClass™**, PicoPass® and Inside® cards.

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.

COMMUNICATION VECTOR
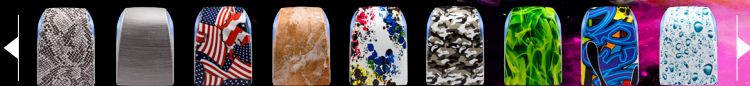
Print your logo using digital UV or pad printing

SMART LIGHTING

Global vision multi-angle system
Customization of the LEDs (360 colors)

YOUR READER IS A PIECE OF ART

Latest customization technology named Skin Effect for a spectacular experience

THE COLOR OF YOUR BUSINESS

Select your favorite casing color

Standard

On demand

SPECIFICATIONS

⊡ READER

	MIFARE® version	BLUETOOTH® version	LEGIC® version
Operating frequency / Standards	13.56 MHz - ISO14443 A & B, ISO18092 (NFC) Bluetooth® (according version)		13.56 MHz - ISO14443A, ISO15693 LEGIC® RF Standard
Chip compatibility	MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1, MIFARE® DESFire 256, EV1 & EV2, NFC (HCE), SMART MX, iCLASS™*¹ (CSN only), PicoPass®(CSN only), STid Mobile ID® (Bluetooth® version), Orange Pack ID		LEGIC® Advant & Prime / CSN MIFARE Ultralight® & Ultralight® C, Classic & Classic EV1, Plus® & Plus® EV1, DESFire® 256, EV1 & EV2, iCLASS™*¹ PicoPass®, Inside®
Functions	Read only CSN, secure (file, sector) or Secure Protocol (Secure Plus) Secure read write		Read only CSN or secure (segment) Secure read write
Communication interfaces & protocols	TTL protocol Data Clock (ISO2) or Wiegand (ciphered mode - Sx1) RS485 (ciphered mode - Sx3) with secure communication protocols SSCP & SSCP2 ; OSDP™ V1 (plain communication) & V2 (secure communication SCP) RS232 (ciphered mode - Sx2) in MIFARE® version only Compatible EasySecure interface / Transparent interfaces with MIFARE® version only		TTL / RS232: Data Clock (ISO2), Wiegand or RS232 (SSCP protocol) TTL / RS485: Data Clock (ISO2), Wiegand or RS485 (SSCP protocol)
Reading distances*	Up to 8 cm / 3.15" with a DESFire® EV2 card	Up to 8 cm / 3.15" with a DESFire® EV2 card 0 - 20 m / 65.6 ft depending the Bluetooth® mode	Up to 8 cm / 3.15" with a LEGIC® Prime card Up to 6 cm / 2.36" with a LEGIC® Advant card
Secure EAL5+ storage	-	Yes	-
Integrated UHF chip	EPC 1 Gen 2 for contactless reader configuration (protocols, LEDs, buzzer...)		-
Light indicator	2 RGB LEDs - 360 colors Configuration by card (standard or virtual with STid Settings application), software, external command (0V) or UHF technology according to the interface		2 RGB LEDs - 360 colors Software-configuration or External command (0V)
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual with STid Settings application), software, external command (0V) or UHF technology according to the interface		Internal buzzer Software-configuration or External command (0V)
Power requirement	Typical 130 mA / 12 VDC	Typical 150 mA / 12 VDC	Typical 130 mA / 12 VDC
Power Supply	7 VDC to 28 VDC		
Connections	10-pin plug-in connector (5 mm / 0.2") / 2-pin plug-in connector (5 mm / 0.2"): O / F contact - Tamper detection signal		
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)		
Dimensions (h x w x d)	107 x 80 x 26 mm / 4.21" x 3.15" x 1.02"		
Operating temperatures	- 30°C to + 70°C / - 22°F to + 158°F / Humidity: 0 - 95%		
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented) and/or message to the controller		
Resistance / Protection	IP65 Level - Weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) / Reinforced vandal-proof structure IK10		
Mounting	Wall mount / Flush mount (European & American) / Compatible with any surfaces and metal walls		
Certifications	CE, FCC and UL		CE

⊡ KEYPAD FEATURES

Keypad	Capacitive Touch keypad - 12 configurable backlit keys Configuration by card (standard or virtual with STid Settings application), software or UHF technology according to the interface	Capacitive touch keypad 12 configurable backlit keys Activated / deactivated by software
Dimensions (h x w x d)	107 x 80 x 26 mm / 4.21" x 3.15" x 1.02"	
Operating temperatures	- 30°C to + 70°C / - 22°F to + 158°F / Humidity: 0 - 95%	
Resistance / Protection	Weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) / Reinforced vandal-proof structure IK08 / High resistant laser marking of keys	

⌐⌐ TOUCHSCREEN FEATURES

Type	Color touchscreen
Touchscreen size	2.8'' - 240 x 320 pixels
Touch keypad / Display	12 keys - Standard or scramble pad function / Display of images & texts
Dimensions (h x w x d)	128 x 80 x 31 mm / 5.04'' x 3.15'' x 1.22''
Operating temperatures	- 20°C to + 70°C / - 4°F to + 158°F / Humidity: 0 - 95%
Resistance	IP65 Level - Weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation)
Doorbell function	Activated / deactivated according to your configuration

⌐⌐ BIOMETRIC FEATURES

Fingerprint sensor	Optical (MorphoSmart™)
Identification time	≤ 1 second
Anti-fraud functions	Detection of dead fingers, false fingers and fingers under stress
Collecting area	14 x 22 mm / 0.55'' x 0.87''
Dimensions (h x w x d)	60 x 80 x 62 mm / 2.36'' x 3.15'' x 2.44'' (biometric module only)
Operating temperatures	- 10°C to + 50°C / 14°F to + 122°F / Humidity: 0 - 95%
Resistance	IP65 Level - Weather-resistant with dust and water-proof electronics

⌐⌐ 125 kHz PROX FEATURES (compatible with standard and keypad / MIFARE® & Bluetooth® versions)

Type	125 kHz card reader - EM42xx / EM4x50 / Wiegand 26, 34, 35 and 37 bits format / Nedap / Crosspoint
Dimensions (h x w x d)	38.99 x 79.93 x 25.7 mm / 1.49'' x 3.11'' x 0.98'' (SE8 module only)
Operating temperatures	- 20°C to + 70°C / - 4°F to + 158°F / Humidity: 0 - 95%
Resistance / Protection	IP65 Level - Weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) Reinforced vandal-proof structure IK10

FOCUS

Easy multi-mode configuration: card[1], UHF technology[1], smartphone[2] and secure connection.

MIFARE® and LEGIC® readers fully compatible with the High Security STid Secure Common Protocol - SSCP for certified solutions.

Compliant with the new European regulation on personal data protection (GDPR).

Readers fully compatible with the SIA Open Supervised Device Protocol - OSDP™ V1 and V2 (according model).

(1) MIFARE® version, (2) Bluetooth® version

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

** Our readers can only read the UID/Chip Serial Number. They cannot read secure HID Global's iCLASS™ cryptographic protections.

Lock Down Peace of Mind.

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