ARCHITECT®

RFID, NFC AND BLUETOOTH® ACCESS CONTROL

SMARTER SECURITY ANSWERS

E very 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 an intelligent RFID core (Bluetooth® optional) to which various interchangeable modules are connected: card reader, keypad, touch screen, biometric fingerprint sensor, 1D & 2D code reader (QR Code) and 125 kHz reader to facilitate your technological migrations.

16 AWARDS

The most awarded access control reader around the world

DESIGN & CUSTOMIZABLE

Let your imagination flow

VANDAL-PROOF

Standing the test of time

HIGH SECURITY

Easy access to high security

MULTI-TECHNOLOGY

Make your migration simple

CREATE YOUR OWN UPGRADABLE CONFIGURATION

15 possible configurations
1 unique RFID* core, 3 interchangeable facades, 1 biometric sensor, one 1D & 2D code reader (QR Code)** and two 125 kHz module**

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 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® & Plus® EV1, DESFire® 256, EV1, EV2 & EV3, NFC (HCE), iClass™** (CSN), Orange Pack ID, Bluetooth® (optional), 125 kHz (EM®, HID Proximity®, Crosspoint®, AWID®, IOPROX®, Indala®27 bits depending on Prox module).

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

CARD MODE   SLIDE MODE   TAP TAP MODE   REMOTE MODE   HANDS-FREE MODE   VOICE COMMAND

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

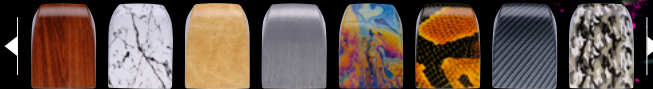Print your logo using digital UV or pad printing

SMART LIGHTING

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

YOUR READER IS A PIECE OF ART

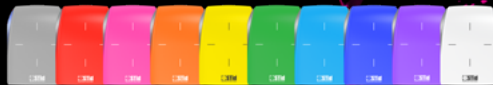Latest customization technology named Skin Effect for a spectacular experience

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	Cards RFID MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, NFC (HCE), SMART MX, CPS3, iCLASS™** (CSN only), PicoPass® (CSN only) STid Mobile ID® virtual cards (Bluetooth® version), Orange Pack ID		LEGIC® Advant & Prime / CSN MIFARE® Ultralight® & Ultralight® C, Classic & Classic EV1, Plus® & Plus® EV1, DESFire® 256, EV1 & EV2, iCLASS™** 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 Clock&Data (ISO2) or Wiegand (encrypted option - Sx1) output RS485 output (encrypted option - Sx3) with secure communication protocols SSCP® V1 & V2; OSDP™ V1 (unencrypted communication) and V2 (SCP secure communication) RS232 output available in MIFARE® version only EasySecure compatible interface / Transparent interfaces in MIFARE® version only		TTL / RS232: Clock&Data (ISO2), Wiegand or RS232 (SSCP® protocol) TTL / RS485: Clock&Data (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	-
Light indicators	2 RGB LEDs - 360 colors Configuration by card (standard or virtual with STid Settings application), software or external command (0V) 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 or external command (0V) according to the interface		Internal buzzer Software-configuration or External command (0V)
Power requirement	Max. 130 mA / 12 VDC	Max. 150 mA / 12 VDC	Max. 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) IK10 certified and reinforced vandal-proof structure		
Mounting	Wall mount / Flush mount (European & American) Compatible with any surfaces and metal walls		
Certifications	CE (Europe), FCC (USA), IC (Canada) and UL		CE (Europe)

KEYPAD FEATURES

Keypad	Capacitive Touch keypad - 12 configurable backlit keys Configuration by card (standard or virtual with STid Settings application) or software 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) IK08 certified and reinforced vandal-proof structure / High resistant laser marking of keys	

TOUCHSCREEN FEATURES

Type	Color touchscreen and keypad
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

125 kHz card reader	SE8 version: EM42xx / EM4x50 / Wiegand formats 26, 34, 35 and 37 bits / Nedap / Crosspoint. SE8M version: EM42xx / EM4x50; HID Proximity®, INDALA® (Wiegand 27 bits only) ; IOPROX® ; AWID®
Dimensions (h x w x d)	38.99 x 79.93 x 25.7 mm / 1.49'' x 3.11'' x 0.98'' (module only)
Operating temperatures	- 30°C to + 70°C / - 22°F to + 158°F / Humidity: 0 - 95%
Resistance / Protection	IP65 Level - Weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation) IK10 certified and reinforced vandal-proof structure

QR CODE FUNCTION / 1D & 2D CODES

1D & 2D code technologies	QR Code / Micro QR Code, Datamatrix, Aztec, Code 128
Dimensions (h x w x d)	62.42 x 80 x 35,74 mm / 2.45'' x 3.14'' x 1.38'' (module only)
Operating temperatures	- 30°C to + 70°C / - 22°F to + 140°F / Humidity: 5 - 90%
Resistance / Protection	IP65 Level - Weather-resistant with dust and water-proof electronics (CEI NF EN 61086 homologation IK08 certified and reinforced vandal-proof structure

FOCUS

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

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

Readers fully compatible with the High Security SSCP® - Secure & Smart Communication Protocol for certified solutions.

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 only read the serial number / UID of the iCLASS ™ ISO14443A chip. They do not read HID Global's iCLASS™ cryptographic protections.

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SMARTER SECURITY ANSWERS

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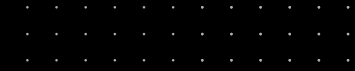Tel.: +44 (0) 192 621 7884

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