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 UPGRADEABLE CONFIGURATION

8 possible configurations
1 unique RFID\textsuperscript{*} core, 3 interchangeable covers, 1 biometric sensor\textsuperscript{**} and a 125 kHz card module\textsuperscript{***}

*Optional Bluetooth\textsuperscript{®}, **RFID version only, ***Standard and keypad / MIFARE\textsuperscript{®} & Bluetooth\textsuperscript{®} versions
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.

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).

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


* Certified reader: LXSW33E3PHS7AD1 - ANSSI-CSPN-2013/03 Certificate - March 19th and October 24th, 2013
**Our readers can only read the UID/Chip Serial Number. They cannot read secure HID Global’s iCLASS™ cryptographic protections.
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

<table>
<thead>
<tr>
<th>Operating frequency / Standards</th>
<th>MIFARE® version</th>
<th>BLUETOOTH® version</th>
<th>LEGIC® version</th>
</tr>
</thead>
</table>

### Chip compatibility

- MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1, MIFARE DESFire® 256, EV1 & EV2, NFC (HCE), SMART MX, iCLASS™ (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™, 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 (ARCS version)
- 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 (ARC)
- Typical 140 mA / 12 VDC (ARCS)
- 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

- - 20°C to + 70°C / - 4°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
- High resistant laser marking of keys

### 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, external command (0V) 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

- - 20°C to + 70°C / - 4°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**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Color touchscreen</td>
</tr>
<tr>
<td>Touchscreen size</td>
<td>2.8” - 240 x 320 pixels</td>
</tr>
<tr>
<td>Touch keypad / Display</td>
<td>12 keys - Standard or scramble pad function / Display of images &amp; texts</td>
</tr>
<tr>
<td>Dimensions (h x w x d)</td>
<td>128 x 80 x 31 mm / 5.04” x 3.15” x 1.22”</td>
</tr>
<tr>
<td>Operating temperatures</td>
<td>- 20°C to + 70°C / - 4°F to + 158°F / Humidity: 0 - 95%</td>
</tr>
<tr>
<td>Resistance</td>
<td>IP65 Level - Weather-resistant with dust and water-proof electronics</td>
</tr>
<tr>
<td>Doorbell function</td>
<td>Activated / deactivated according to your configuration</td>
</tr>
</tbody>
</table>

**BIOMETRIC FEATURES** (compatible with MIFARE® & LEGIC® versions)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fingerprint sensor</td>
<td>Optical (MorphoSmart™)</td>
</tr>
<tr>
<td>Identification time</td>
<td>≤ 1 second</td>
</tr>
<tr>
<td>Collecting area</td>
<td>14 x 22 mm / 0.55” x 0.87”</td>
</tr>
<tr>
<td>Dimensions (h x w x d)</td>
<td>60 x 80 x 62 mm / 2.36” x 3.15” x 2.44” (biometric module only)</td>
</tr>
<tr>
<td>Operating temperatures</td>
<td>- 10°C to + 50°C / 14°F to + 122°F / Humidity: 0 - 95%</td>
</tr>
<tr>
<td>Resistance</td>
<td>IP65 Level - Weather-resistant with dust and water-proof electronics</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>125 kHz card reader - EM42xx / EM4x50 / Wiegand 26, 34, 35 and 37 bits format / Nedap / Crosspoint</td>
</tr>
<tr>
<td>Dimensions (h x w x d)</td>
<td>38.99 x 79.93 x 25.7 mm / 1.49” x 3.11” x 0.98” (SE8 module only)</td>
</tr>
<tr>
<td>Operating temperatures</td>
<td>- 20°C to + 70°C / - 4°F to + 158°F / Humidity: 0 - 95%</td>
</tr>
<tr>
<td>Resistance / Protection</td>
<td>IP65 Level - Weather-resistant with dust and water-proof electronics</td>
</tr>
</tbody>
</table>

**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 SIA Open Supervised Device Protocol - OSDP™ V1 and V2 (according model).

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(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.**

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Lock Down Peace of Mind.