STid
Electronic Identification

ARCHITECT®

SCALABLE RFID CARD READER
FOR HIGH-SECURITY ACCESS CONTROL

COMPATIBILITY

OSDP
SSCP

- MIFARE® credentials
- NFC smartphones
- SECard software
- OSDP™ / SSCP protocols
- Transparent Mode (ANSSI)

LET YOUR IMAGINATION FLOW

YOUR LOGO

PRINTING OF YOUR LOGO
using digital UV
or pad printing

Customization
of the multicolor LEDs
(RGB, 360 colors)

Casing color

«Skin effect» new customization technology

CERTIFICATIONS

CE FC UL EU c UL US

9 Awards

13.56 MHz	Read only	Read | Write	Resistant	TTL	RS232 RS485	IK10

SECURE ACCESS READER
Vandal-proof and extremely scalable, the Architect® badge reader is specially designed for all your high security access control applications.

CREATE YOUR OWN SCALABLE CONFIGURATION

STid allows you to upgrade the functionalities and security levels of all your readers. The modularity concept allows you to implement new functions: keyboard, touch screen or biometric fingerprint sensor and/or add a 125 kHz module for your technological migrations.

WELCOME TO HIGH SECURITY

The reader uses the latest MIFARE® DESFire® EV2 contactless chip technologies with new data security mechanisms:

- **Secure Messaging EV2:** secure transaction method based on AES-128 with protection against interleaving and replay attacks.

- **Proximity Check:** improved protection against relay attacks.

All public encryption algorithms can be used (3DES, AES, RSA, SHA, etc.), which are recommended by official data security agencies (such as the French national agency ANSSI).

BEST MARKET SELF-PROTECTION

The patented tamper protection system protects sensitive data and gives the possibility to delete the sensitive data.

Unlike the current solutions on the market, the reliability of the accelerometer based technology avoids it being outsmarted.

STANDING THE TEST OF TIME

The reader's IK10 certified vandal-proof structure has been optimized to resist knocks and malicious acts. It is designed to withstand harsh environments (IP65 level excluding connectivity): dust, heavy rain, frost, etc.

NXP   MIFARE   NFC

www.stid-security.com

SPECIFICATIONS

Operating frequency/Standards	13.56 MHz: ISO14443A types A & B, ISO18092
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1 & EV2, CPS3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only*)
Functions	**103**: read only CSN serial number (UID) **PC1**: preconfigured read only **PH5**: secure read only (sector/file) and secure Protocol (Secure Plus) / Secure read write
Communication interfaces & protocols	TTL Data Clock (ISO2) or Wiegand (ciphered mode - S31) / RS232 / RS485 (ciphered mode - S33) with secure communication protocols SSCP & SSCP2 ; OSDP™ V1 (plain communication) & V2 (SCP secure communication)
Decoder compatibility	Compatible with EasySecure and «transparent» interfaces: EasyRemote, RemoteSecure & RemoteSecure addressable (4 readers)
Reading distances**	Up to 8 cm / 3.15'' with a MIFARE® DESFire® EV2 or Classic card
Light indicator	2 LEDs RGB - 360 colors Configuration by RFID card, UHF technology, software or external command (0V) according to the interface
Audio indicator	Internal buzzer Configuration by RFID card, UHF technology, software or external command (0V) according to the interface
Power requirement / Power supply	130 mA/12 VDC max / 7 to 28 VDC
Connections	10-pin plug-in connector (5 mm / 0.2") / 2-pin plug-in connector (5 mm / 0.2"): O/C contact - Tamper detection signal
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)
Dimensions (h x w x d)	106.6 x 80 x 25.7 mm / 4.21'' x 3.15'' x 1.02'' (general tolerance following ISO NFT 58-000 standard)
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 solution) and/or message to the controller
Protection / Resistance	IP65 Level excluding connector - Weather-resistant with waterproof electronics compliant with CEI NF EN 61086 standard Reinforced vandal-proof structure IK10 certified
Mounting	Compatible with any surfaces and metal walls - Wall mount/Flush mount: - European 60 & 62 mm / 2.36'' & 2.44'' - American (metal/plastic) - 83.3 mm / 3.27'' - Dimensions: 101.6 x 53.8 x 57.15 mm / 3.98'' x 2.09'' x 2.24'' - Examples: Hubbel-Raco 674, Carlon B120A-UP
Certifications	CE, FCC & UL

Part numbers

Read only

CSN - TTL	ARC-R31-A/103-xx/y
Pre-configured - TTL	ARC-R31-A/PC1-xx/y
Secure - TTL	ARC-R31-A/PH5-xx/y
Secure - Secure Plus - TTL	ARC-S31-A/PH5-xx/y
Secure - RS232	ARC-R32-A/PH5-5AB/y
Secure - RS485	ARC-R33-A/PH5-7AB/y
Secure - EasySecure - RS485	ARC-R33-A/PH5-7AA/y
Secure - Secure Plus - RS485	ARC-S33-A/PH5-7AB/y
Secure - Secure Plus / EasySecure - RS485	ARC-S33-A/PH5-7AA/y
Secure - EasyRemote - RS485	ARC-R33-A/PH5-7BB/y

Read/write

y: casing color (1: black - 2: white)

Secure - SSCP - RS485	ARC-W33-A/PH5-7AA/y
Secure - RS485 - RemoteSecure	ARC-W33-A/PH5-7BB/y
Secure - RS485 - RemoteSecure addressable	ARC-W33-A/PH5-7BC/y
Secure - SSCP v2 compliant CSPN - RS485	ARC-W33-A/PH5-7AD/y
CSN OSDP™ - RS485	ARC-W33-A/103-7OS/y
Secure - OSDP™ - RS485	ARC-W33-A/PH5-7OS/y

DISCOVER OUR CREDENTIALS...

13.56 MHz ISO cards
& key holders

NFC smartphones
using STid Mobile ID® application

...AND OUR ACCESSORIES

Decorative plate / Shield / Spacers /
Converter cables / Bio and 125 kHz modules...

SECARD

SECard configuration kit and SSCP,
SSCP2 & OSDP™ protocols

*Our readers read only the iCLASS™ UID/Chip Serial Number. They do not read secure HID Global's iCLASS™ cryptographic protections. **Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading). External disturbances can cause the reading distances to decrease.

Flyer_Architect_ARC-A_v2.00_US

Headquarters / EMEA
13850 Gréasque, France
Tel.: +33 (0)4 42 12 60 60

PARIS-IDF Office
92290 Châtenay-Malabry, France
Tel.: +33 (0)1 43 50 11 43

STid UK Ltd. LONDON
Hayes UB11 1FW, UK
Tel.: +44 (0) 192 621 7884

STid UK Ltd.
Gallows Hill, Warwick CV34 6UW, UK
Tel.: +44 (0) 192 621 7884

NORTH AMERICA Office
Irving, Texas 75063-2670, USA
Tel.: +1 469 524 3442

LATINO AMERICA Office
Cuauhtémoc 06600 CDMX, México
Tel.: +521 (55) 5256 4706

AUSTRALIA / APAC Office
Ultimo, Sydney NSW 2007, Australia
Tel.: +61 (0)2 9274 8853

info@stid.com

www.stid-security.com