◢RCHITECT®

HIGH SECURITY CARD READER

ARCS-A - UPGRADABLE RFID CARD READER

MIFARE Ultralight® & Ultralight® C, MIFARE®, Classic & Classic EV1, MIFARE Plus®, DESFire® EV1, EV2 & 256, NFC (HCE)

By developing the Architect® Secure innovative readers, STid has created the perfect blend of high security and scalability. The ARCS-A is a secure and vandal proof RFID card reader. It uses an EAL5+ crypto processor to improve data protection and privacy.

Compatible **SECARD** Security Management System | **SSCP** | **OSDP™** | **EAL 5+**

▶ Access to High Security with complete autonomy

The ARCS-A reader uses the latest MIFARE® contactless chip technologies with new data security mechanisms. It implements public encryption algorithms (3DES, AES, SHA...), as recommended and recognized by official IT security organization. It provides the same levels of data protection as in the banking sector with its EAL5+ secure storage.

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

▶ Scalable and modulable configuration

The Architect® Secure readers are based on a smart common RFID core that can be connected to additional interchangeable modules: card reader, keypad, touch screen, biometrics... The easy and cost saving modularity concept allows you to keep control of the access security management.

▶ Standing the test of time

The ARCS-A reader design has been developed to withstand harsh environments, to operate outside (IP65 level) and to offer a high vandal proof resistance (IK10).

YouTube Watch the resistance video

▶ Let your imagination flow

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 (RVB, 360 colors)
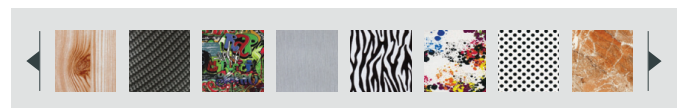
▲ ▲ ▲

CASING COLOR CHOICE

CASING WITH « SKIN EFFECT » TEXTURE

LOGO PRINTING

Tampography 🖋

Ink-jet printing HQ 💧

Select your skin effect from many possibilities:

SPECIFICATIONS

Operating frequency/Standards	13.56 MHz. ISO14443 types A & B, ISO18092 (NFC)
Chip compatibility	MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1, MIFARE® DESFire® EV1, EV2 & 256, NFC (HCE), SMART MX, CPS3, PicoPass®, iCLASS™ cards (CSN only)*
Functions	Read only: CSN or private ID (sector/file) / Secure Protocol (Secure Plus) / Serial number and secure OSDP™ V1 (plain communication) & V2 (SCP secure communication) - 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	TTL - ISO2 protocol (Data Clock), Wiegand (ciphered mode S31) - RS485 (ciphered mode S33)
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
Data protection	Yes - EAL5+ Secure data storage with certified crypto processor
Integrated UHF chip	EPC 1 Gen 2 for reader configuration (reader settings: protocols, LEDs, buzzer...)
Light indicator	2 RGB LEDs - 360 colors Configuration by RFID card, software, external command (0V) and UHF technology in R3x/S3x - By software in W3x
Audio indicator	Internal buzzer with adjustable intensity Configuration by RFID card, software, external command (0V) and UHF technology in R3x/S3x - By software in W3x
Power requirement	Typ 140 mA/12 VDC
Power supply	7 VDC to 28 VDC
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)
Protection / Resistance	IP65 Level - Weather-resistant with waterproof electronics (CEI NF EN 61086 homologation) Reinforced vandal proof structure IK10
Mounting	Wall mount/Flush mount (European flush boxes 60 & 62 mm / 2.36'' & 2.44'') - Compatible with any surfaces and metal walls
Certifications	CE, FCC
Part number y: casing color (1: black - 2: white)	Secure read only - TTL .... ARCS-R31-A/PH5-xx/y Secure read only / Secure Plus - TTL .... ARCS-S31-A/PH5-xx/y Secure read only - RS485 .... ARCS-R33-A/PH5-7AB/y Secure read only / EasySecure interface - RS485 .... ARCS-R33-A/PH5-7AA/y Secure read only / Secure Plus - RS485 .... ARCS-S33-A/PH5-7AB/y Secure read only / Secure Plus / EasySecure interface - RS485 .... ARCS-S33-A/PH5-7AA/y Secure read write - RS485 .... ARCS-W33-A/PH5-7AA/y Secure read write SSCP2 - RS485 .... ARCS-W33-A/PH5-7AD/y Secure read write OSDP™ - RS485 .... ARCS-W33-A/PH5-7OS/y *Available in Bluetooth® Smart version - Contact us*

*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, power supply voltage and reading functions (secure reading).
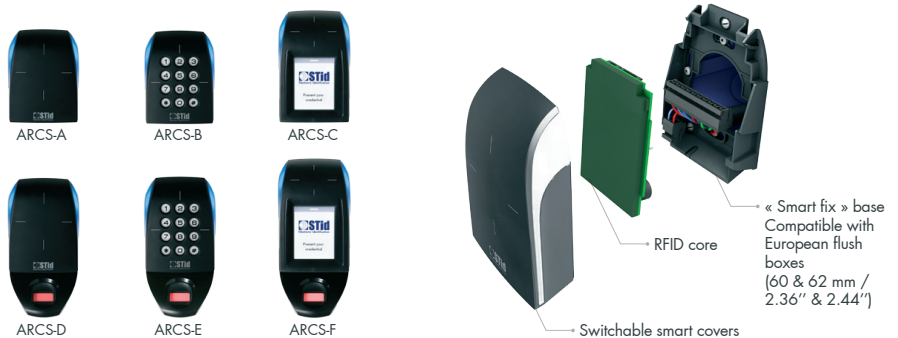
Architect® Secure Patented Upgradable range

SECARD

Fully compatible with the SECard configuration kit and SSCP, SSCP2 & OSDP™ protocols.

ARCS-A

ARCS-B

ARCS-C

ARCS-D

ARCS-E

ARCS-F

RFID core

« Smart fix » base Compatible with European flush boxes (60 & 62 mm / 2.36'' & 2.44'')

Switchable smart covers

WINNER 2017 SIA NEW PRODUCT SHOWCASE

TROPHÉE D'OR 2016

TROPHY EXPOPROTECTION 2016

SECURITY MEETINGS AWARDS

Gold Innovation Trophy EXPOPROTECTION

Flyer_Architect_ARCS-A_v1.00_US

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