



HIGH SECURITY CARD READER

ARCS-B - UPGRADABLE RFID CARD READER + KEYPAD

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-B is a secure and vandal proof capacitive keypad reader (IK08 certified). It uses an EAL5+ crypto processor to improve data protection and privacy.



► Dual function reader

Both reader and keypad, it allows a dual identification by combining card (virtual / RFID) and/or PIN code identifications. Thanks to its various operating modes (card AND key / card OR key), you can use the keypad to identify people or to activate additional functions (activation of the intrusion alarm...).

► Access to High Security with complete autonomy

The ARCS-B 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.

► 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 (IK08). Thanks to the capacitive technology, the keypad is sealed and protected from the accumulation of dirt. It also prevents the premature mechanical wear of keys, common on conventional keypads available on the market.

► Scalable and modifiable 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.

► 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



LOGO PRINTING
 Tampography
 Ink-jet printing HQ

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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																		
Keypad	Sensitive/capacitive keypad - 12 backlit keys - Functions: Card AND Key / Card OR Key Configuration by RFID card, software, external command (OV) and UHF technology in R3x/S3x - By software in W3x																		
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 (OV) and UHF technology in R3x/S3x - By software in W3x																		
Audio indicator	Internal buzzer with adjustable intensity Configuration by RFID card, software, external command (OV) and UHF technology in R3x/S3x - By software in W3x																		
Power requirement	Typ. 170 mA/12 VDC																		
Power supply	7 VDC to 28 VDC																		
Material	ABS-PC UL-V0 (black)																		
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 IK08																		
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	<table border="0"> <tr> <td>Secure read only - TTL</td> <td>ARCS-R31-B/PH5-xx/1</td> </tr> <tr> <td>Secure read only - TTL / Secure Plus - TTL</td> <td>ARCS-S31-B/PH5-xx/1</td> </tr> <tr> <td>Secure read only - RS485</td> <td>ARCS-R33-B/PH5-7AB/1</td> </tr> <tr> <td>Secure read only / EasySecure interface - RS485</td> <td>ARCS-R33-B/PH5-7AA/1</td> </tr> <tr> <td>Secure read only / Secure Plus - RS485</td> <td>ARCS-S33-B/PH5-7AB/1</td> </tr> <tr> <td>Secure read only / Secure Plus / EasySecure interface - RS485</td> <td>ARCS-S33-B/PH5-7AA/1</td> </tr> <tr> <td>Secure read write - RS485</td> <td>ARCS-W33-B/PH5-7AA/1</td> </tr> <tr> <td>Secure read write SSCP2 - RS485</td> <td>ARCS-W33-B/PH5-7AD/1</td> </tr> <tr> <td>Secure read write OSDP™ - RS485</td> <td>ARCS-W33-B/PH5-7OS/1</td> </tr> </table> <p>Available in Bluetooth® Smart version - Contact us</p>	Secure read only - TTL	ARCS-R31-B/PH5-xx/1	Secure read only - TTL / Secure Plus - TTL	ARCS-S31-B/PH5-xx/1	Secure read only - RS485	ARCS-R33-B/PH5-7AB/1	Secure read only / EasySecure interface - RS485	ARCS-R33-B/PH5-7AA/1	Secure read only / Secure Plus - RS485	ARCS-S33-B/PH5-7AB/1	Secure read only / Secure Plus / EasySecure interface - RS485	ARCS-S33-B/PH5-7AA/1	Secure read write - RS485	ARCS-W33-B/PH5-7AA/1	Secure read write SSCP2 - RS485	ARCS-W33-B/PH5-7AD/1	Secure read write OSDP™ - RS485	ARCS-W33-B/PH5-7OS/1
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*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).



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Headquarters / EMEA
20 Parc d'activités des Pradeaux
13850 Gréasque, France
☎ +33 (0)4 42 12 60 60
✉ info@stid.com

PARIS-IDF Office
Immeuble Le Trisyls
416 avenue de la division Leclerc
92290 Chatenay Malabry, France
☎ +33 (0)1 43 50 11 43
✉ info@stid.com

UK LONDON Office
London, Holborn,
88, Kingsway, London WC2B 6AA
United Kingdom
☎ +44 (0) 2078 411 054
✉ info@stid.com

UK NORTH Office
Innovation centre
Gallows Hill, Warwick
CV34 6UW, United Kingdom
☎ +44 (0) 1926 217 884
✉ info@stid.com

LATIN AMERICA Office
Varsovia 57, Interior 501, Colonia Juárez
CP 06600, Delegación Cuahtémoc
México D.F.
☎ +52 (55) 52 56 47 06
✉ info@stid-america.com

AUSTRALIA / APAC Office
Level 6 - 616 Harris Street,
Ultimo, Sydney, NSW 2007,
Australia
☎ +61 2 9274 8853
✉ info@stid.com