



 13.56 MHz

 Read only version

 Read Write version



HIGH SECURITY READER

ARC-C - SMART RFID CARD READER + TOUCH SCREEN

MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus®, DESFire® EV1 & EV2, NFC, CPS3, Moneo

UPGRADABLE AND MODULAR ACCESS READER



Compatible
SECARD
Security Management System

By developing the Architect® innovative readers, STid has created the perfect blend of high security and scalability. The ARC-C is a secure reader combining RFID technologies with a color touch screen to display a keypad or additional information.

► 3 in 1 Reader function

Both reader and keypad, the ARC-C allows a dual-identification by combining card and/or PIN code. Thanks to its various operating modes (card OR key or card THEN key), you can use the keypad to identify people or to activate additional functions (activation of the intrusion alarm...). If the keyboard is not activated, the touch screen can display information (logo, instructions, images...).

► Scramble pad mode

The scramble pad mode enhances the security of your access control system and prevents stolen access codes because numbers are randomly scrambled on the display.

► High Security identification

The ARC-C reader uses the latest MIFARE® contactless chip technologies with new data security mechanisms. It implements public encryption algorithms (TDES, AES, RSA, SHA...), as recommended and recognized by official IT security organization. The innovative tamper protection system protects sensitive data and gives the possibility to delete the authentication keys (patent pending). Unlike the current solutions on the market, the reliability of the accelerometer-based technology avoids it being outsmarted.

► Design and customization

STid offers a range of customization options to tailor your reader to your corporate image and integrate it fully in its installation environment.



MIFARE
Plus

MIFARE
DESFire EV1 & EV2



ARC-C - HIGH SECURITY READER

MIFARE® Classic EV1, MIFARE Plus®, DESFire® EV1 & EV2, NFC



Specifications

Operating frequency/Standards	13.56 MHz. ISO14443 types A & B, ISO18092 (NFC)
Chip compatibility	MIFARE Ultralight®, MIFARE Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus®, MIFARE® DESFire®, MIFARE® DESFire® EV1 & EV2, NFC, SMART MX, CPS3, Moneo, iCLASS®, PicoPass®
Functions	Read only: CSN or private ID (sector/file) / Secure Protocol (Secure Plus) Read-Write (SSCP)
Reading distances*	Up to 6 cm with a MIFARE® Classic card Up to 4 cm with a MIFARE Plus® / DESFire® EV1 card
Touch Screen	Color touch screen - 2,8" - 240 x 320 pixels 12 backlit keys - Standard or Scramble pad mode Functions: Card AND Key / Card OR Key Activated/deactivated by card and UHF technology in R3x/S3x - By software-configuration in W3x
Communication interfaces	2 possibilities: - TTL/RS232: Data Clock (ISO2), Wiegand (optional ciphered - S31) or RS232 (optional ciphered - S32) - TTL/RS485: Data Clock (ISO2), Wiegand (optional ciphered - S31) or RS485 (optional ciphered - S33)
Connections	10-pin plug-in connector (5 mm) 2-pin plug-in connector (5 mm): O/C contact - Tamper detection signal
Light indicator	2 LEDs RGB - 360 colors Configuration by card, UHF technology, software and external command (0V) in R3x/S3x By software in W3x
Audio indicator	Internal buzzer Configuration by card, UHF technology, software and external command (0V) in R3x/S3x By software in W3x
Power requirement/ «Eco » function	Typical 130 mA /12VDC / 25% reduction in Energy-saving function
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)	128 x 80 x 31 mm
Operating temperatures	- 20°C to + 70°C / Humidity: 0 - 95%
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patent pending)
Protection/Resistance	IP65 excluding connectors
Mounting	Wall mount/Flush mount (European flush boxes 58 & 60 mm) Compatible with any surfaces and metal walls without spacer
Certifications	CE & FCC
Part number	CSN read only - TTL: Pre-configured read only - TTL: Secure read only - TTL: Secure read only / Secure Plus - TTL: Secure read only - RS232: Secure read only / Secure Plus - RS232: Secure read only - RS485: Secure read only / EasySecure interface - RS485: Secure read only / Secure Plus - RS485: Secure read/write - RS232: Secure read/write - RS485:
y: casing color (1: black - 2: white)	ARC-R31-C/103-xx/y ARC-R31-C/PC1-xx/y ARC-R31-C/PH5-xx/y ARC-S31-C/PH5-xx/y ARC-R32-C/PH5-5AB/y ARC-S32-C/PH5-5AB/y ARC-R33-C/PH5-7AB/y ARC-R33-C/PH5-7AA/y ARC-S33-C/PH5-7AB/y ARC-W32-C/PH5-5AA/y ARC-W33-C/PH5-7AA/y



*Caution: information about the distance of communication: measured from the centre 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).



Fully compatible with the SECARD configuration kit and the SSCP protocol.

Architect® upgradable series



Legal statements: STid and Architect® are trademarks of STid SA. Mifare® is a NXP trademark. All other trademarks are property of their respective owners. This document is the exclusive property of STid. STid reserves the right to stop any product or service for any reason and without any liability - Noncontractual photographs.

Headquarters

20 Parc d'activités des Pradeaux
13850 Gréasque, France
+33 (0)4 42 12 60 60
+33 (0)4 42 12 60 61
info@stid.com

Paris IDF Agency

Immeuble Le Trisalys
416 avenue de la division Leclerc
92290 Chatenay Malabry, France
+33 (0)1 43 50 11 43
+33 (0)1 43 50 27 37
info@stid.com

STid UK

Innovation centre
Gallows Hill, Warwick
CV34 6UW, United Kingdom
+44 (0) 1926 217 884
+44 (0) 1926 217 701
info@stid.com

STid America

Varsovia 57, Interior 501, Colonia Juárez
CP 06600, Delegación Cuauhtémoc
México D.F.
+52 (55) 52 56 47 06
+52 (55) 52 56 47 07
info@stid-america.com