



HIGH SECURITY BIOMETRICS ARC-O - LEGIC® CARD READER + BIOMETRICS



LEGIC®
Innovation in ID technology

COMPATIBILITY

- LEGIC® Advant & Prime

LET YOUR IMAGINATION FLOW



PRINTING OF YOUR LOGO
using digital UV
or pad printing

Customization
of the multicolor LEDs
(RGB, 360 colors)



STANDARDS



UPGRADABLE AND MODULAR ACCESS READER !
By developing the Architect® innovative readers, STid has created the perfect blend of high security and scalability. The ARC-O is a secure card reader, combining RFID LEGIC® technologies and biometrics module of digital fingerprints.

DUAL FUNCTION READER

The ARC-O Architect® reader combines the latest RFID LEGIC® Advant & Prime technologies with fingerprint recognition to enhance the security of your access control system.

SECURE IDENTIFICATION & AUTHENTICATION

The ARC-O authenticates the card holder by comparing his fingerprint with the data stored in the card. It implements the best data security mechanisms and public encryption algorithms (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.

FINGERPRINT STORED IN THE CARD

The ARC-O Architect® biometric reader will read fingerprint templates directly stored in the RFID card for a 1:1 verification. You may save and verify one or up to five fingers per user depending on your security needs.

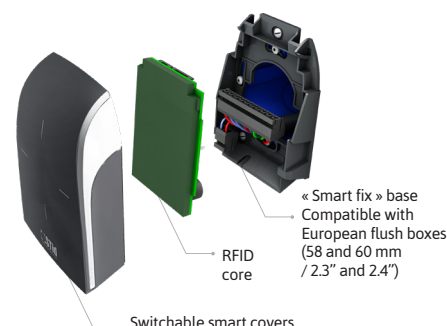
DESIGN AND CUSTOMIZATION

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

SPECIFICATIONS

Operating frequency/Standards	13.56 MHz - ISO14443A, ISO15693, LEGIC® RF
Chip compatibility	LEGIC® Advant & Prime
Functions	Read only: private ID (sector/file) Read-Write (SSCP)
Digital fingerprint sensor	Optical (SAGEM MorphoSmart™)
Identification time	≤ 1 second for a 1:1 authentication
Collecting area	14 x 22 mm / 0.55" x 0.86"
Reading distances*	Up to 8 cm(3.14") with a LEGIC® Prime card Up to 6 cm(2.36") with a LEGIC® Advant card
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)
Light indicator	2 LEDs RGB - 360 colors Configuration by card, UHF technology, software and external command (0V) in R3x/S3x By software or external command 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 100 mA/12 VDC - 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)	167 x 80 x 26/62 mm 6.57" x 3.14" x 1.02"/2.44"
Operating temperatures	- 10°C to + 50°C (14°F to 122°F) / Humidity: 0 - 95%
Protection / Resistance	IP65 excluding connectors
Certifications	CE
Part numbers	Secure read only- TTL ARC-R31-D/PH5-xx/y Secure read only/ Secure Plus - TTL ARC-S31-D/PH5-xx/ Secure read only- RS232 ARC-R32-D/PH5-5AB/y Secure read only/ Secure Plus - RS232 ARC-S32-D/PH5-5AB/y Secure read only- RS485 ARC-R33-D/PH5-7AB/y Secure read only/ Interface EasySecure - RS485 ARC-R33-D/PH5-7AA/y Secure read only/ Secure Plus - RS485 ARC-S33-D/PH5-7AB/y Secure read/write- RS232 ARC-W32-D/PH5-5AA/y Secure read/write- RS485 ARC-W33-D/PH5-7AA/y
y: casing color (1: black - 2: white)	

DISCOVER OUR ARCHITECT® EVOLUTIVE RANGE



*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: mea sured 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).

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
Tel.: +1 310 803 2114

LATINO AMERICA Office

Cuahtémoc 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