



13.56 MHz

Read only version

Read Write version



HIGH SECURITY BIOMETRICS

ARC-O - LEGIC® CARD READER + BIOMETRICS

LEGIC® Advant & Prime



Compatible
SEGIC
Security Management System

LEGIC
innovation in ID technology

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 environment.

CASING COLOR CHOICE



CUSTOMIZABLE
MULTI-COLORED LEDs
(RGB, 360 colors)



LOGO PRINTING

Tampography
Ink-jet printing HQ



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LEGIC® Advant & Prime



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		
Reading distances*	Up to 8 cm with a LEGIC® Prime card Up to 6 cm with a LEGIC® Advant card		
Communication interfaces	2 possibilities: - TTL/RS232: Data Clock (ISO2), Wiegand or RS232 - TTL/RS485: Data Clock (ISO2), Wiegand or RS485		
Connections	10-pin plug-in connector (5 mm) 2-pin plug-in connector (5 mm): O/F contact - Tamper detection signal		
Light indicator	2 RGB LEDs - 360 colors External command (0V) in R3x version and software-configuration in W3x version		
Audio indicator	Buzzer intégré External command (0V) in R3x version and software-configuration in W3x version		
Power requirement	130 mA / 12 VDC		
Power supply	7 VDC to 28 VDC		
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)		
Dimensions	167 x 80 x 26/62 mm		
Operating temperatures	- 10°C to + 50°C / Humidity: 0 - 95%		
Protection/Resistance	IP65 excluding connectors		
Certifications	CE		
Part number y: casing color (1: black - 2: white)	Secure read only - TTL: Secure read only - RS232: Secure read only - RS485: Secure read/write - RS232: Secure read/write - RS485:	ARC-R31-O/LE2-xx/y ARC-R32-O/LE2-5AB/y ARC-R33-O/LE2-7AB/y ARC-W32-O/LE2-5AA/y ARC-W33-O/LE2-7AA/y	CE

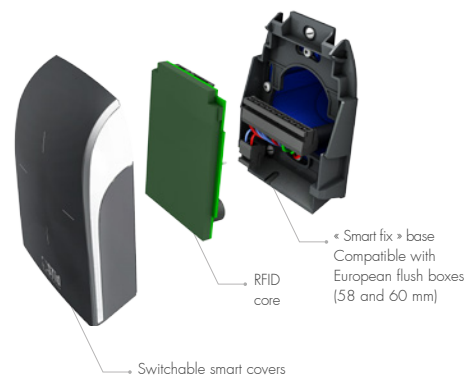
* Caution: information about the distance of communication: measured from the centre of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, power supply voltage and reading functions (secure reading).



SEGIC

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

Architect®
upgradable series



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