HIGH SECURITY READER

ARC-Q - LEGIC® CARD READER + TOUCH SCREEN + BIOMETRICS

LEGIC® Advant & Prime

GOLD TROPHY
Expoprotection 2014

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-Q is a secure reader combining LEGIC® technologies with a touch screen/keypad and biometrics fingerprint sensor.

▶ Multifunction reader

The ARC-Q reader combines the latest LEGIC® technologies with touch screen/keypad and fingerprint recognition to enhance the security of your access control system. 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.

▶ Secure identification & authentication

The ARC-Q 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 (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.

▶ Fingerprint stored in the card

The 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)

YOUR LOGO, CUSTOMIZED
IMAGE AND TEXT DISPLAY

Specifications

Operating frequency/Standards	13.56 MHz. ISO14443A, ISO15693
Chip compatibility	LEGIC® Advant & Prime
Functions	Read only: private ID (sector/file) Read-Write (SSCP)
Digital fingerprint sensor	Optical (SAGEM MorphoSmart™) - ≤ 1 second for a 1:1 authentication
Reading distances*	Up to 6 cm with a LEGIC® Prime card Up to 4 cm with a LEGIC® Advant card
Touch Screen	Color touch screen - 2,8'' - 240 x 320 pixels 12 keys - Standard or Scramble pad mode Functions: Card OR Key / Card THEN Key Activated/deactivated by software in R3x & W3x
Communication interfaces	- 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/C contact - Tamper detection signal
Light indicator	2 LEDs RGB - 360 colors Software-configuration in R3x and W3x
Audio indicator	Internal buzzer Software-configuration in R3x and W3x
Power requirement/ «Eco » function	Typical 130 mA /12VDC
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)	176 x 80 x 31/60 mm
Operating temperatures/Protection	- 10°C to + 50°C / Humidity: 0 - 95% / IP65 excluding connectors
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patent pending)
Mounting	Wall mount/Flush mount (European flush boxes 58 & 60 mm) Compatible with any surfaces and metal walls without spacer
Certifications	CE
Part number y: casing color (1: black - 2 : white)	Secure read only - TTL: ARC-R31-Q/LE2-xx/y Secure read only - RS232: ARC-R32-Q/LE2-5AB/y Secure read only - RS485: ARC-R33-Q/LE2-7AB/y Secure read/write - RS232: ARC-W32-Q/LE2-5AA/y Secure read/write - RS485: ARC-W33-Q/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).

Architect® upgradable series

SEGIC

SEGIC BIO

Fully compatible with the SEGIC BIO
configuration kit and the SSCP protocol.

ARC-L   ARC-M   ARC-N

ARC-O   ARC-P   ARC-Q

RFID core

Switchable smart covers

« Smart fix » base
Compatible with
European flush boxes
(58 and 60 mm)

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