



13.56 MHz

→ Read only version

↔ Read Write version



## HIGH SECURITY READER

### ARC-L - SMART LEGIC® CARD READER

LEGIC® Advant & Prime / CSN of chips: MIFARE® Classic EV1, MIFARE Plus®, DESFire® EV1 & EV2, iCLASS®

## UPGRADABLE AND MODULAR ACCESS READER



GOLD TROPHY  
Expoprotection 2014

Compatible  
**SEGIC**  
Security Management System



By developing the Architect® innovative readers, STid has created the perfect blend of high security and scalability. The ARC-L is a secure and vandal proof RFID LEGIC® card reader.

### ► High Security

The ARC-L reader uses the latest LEGIC® contactless chip technologies with new data security mechanisms. It implements public encryption algorithms (AES, RSA, HMAC-SHA-1...), 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.

### ► Scalability and modularity

The Architect® 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.

### ► Resistant, vandal proof

The ARC-L reader design has been developed to withstand harsh environments, to operate outside (IP65 excluding connectors) and to offer a high vandal proof resistance (IK10).

### ► 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.

CUSTOMIZABLE  
MULTI-COLORED LEDs  
(RGB, 360 colors)

CASING COLOR CHOICE



CASING WITH  
MATERIALEFFECT  
« Skin effect »

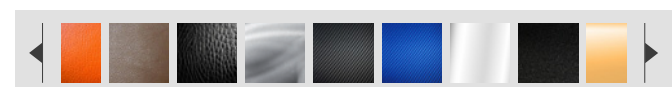


LOGO PRINTING

Tampography

Ink-jet printing HQ

Choose from over  
100 skin effects:



LEGIC®  
innovation in ID technology

MIFARE  
PLUS

MIFARE  
DESFire EV1 et EV2

iCLASS®

# ARC-L - HIGH SECURITY READER

LEGIC® Advant & Prime / UID of MIFARE® & iCLASS® chips

## SPECIFICATIONS

Operating frequency/Standards	13.56 MHz - ISO14443, ISO15693
Chip compatibility	LEGIC® Advant & Prime / UID of chips: MIFARE Ultralight®, MIFARE Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus®, MIFARE® DESFire® EV1 & EV2, iCLASS®, PicoPass®, ISO15693-3
Functions	Read only: CSN or private ID (sector/file) Read-Write (SSCP)
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 W32/W33 versions
Audio indicator	Internal buzzer External command (0V) in R3x version and software-configuration in W32/W33 versions
Power requirement	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 l x p)	107 x 80 x 26 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)/Reinforced vandal proof structure IK10
Mounting	Wall mount/Flush mount (European flush boxes 60 & 62 mm) Compatible with any surfaces and metal walls
Certifications	CE
Part number y: casing color (1: black - 2: white)	Secure read only - TTL: ARC-R31-L/LE2-xx/y Secure read only - RS232: ARC-R32-L/LE2-5AB/y Secure read only - RS485: ARC-R33-L/LE2-7AB/y Secure read/write - RS232: ARC-W32-L/LE2-5AA/y Secure read/write - RS485: ARC-W33-L/LE2-7AA/y

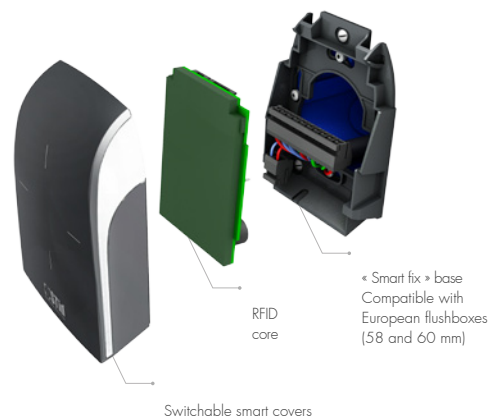
\*Caution: information about the distance of communication: measured from the centre of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, power supply voltage and reading functions (secure reading).



## SEGIC

Fully compatible with the SEGIC configuration software and the SSCP protocol.

Architect®  
upgradable series



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