



## HIGH SECURITY READER ARC-N - SMART LEGIC® CARD READER



iCLASS®

LEGIC®  
innovation in ID technology

### COMPATIBILITY

- LEGIC® Advant & Prime
- CSN puces : MIFARE® Classic EV1
- MIFARE Plus®
- DESFire® EV1 & EV2
- iCLASS®

### LET YOUR IMAGINATION FLOW



PRINTING OF YOUR LOGO  
using digital UV  
or pad printing

Customization  
of the multicolor LEDs  
(RGB, 360 colors)

Casing color choice



« Skin effect » new customization technology



### 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-N is a secure reader combining LEGIC® technologies with a color touch screen to display a keypad or additional information.

### 3 IN 1 READER FUNCTION

Both reader and keypad, the ARC-N 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...).

### HIGH SECURITY IDENTIFICATION

The ARC-N reader uses the latest LEGIC® 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.

### SCRAMBLE PAD MODE

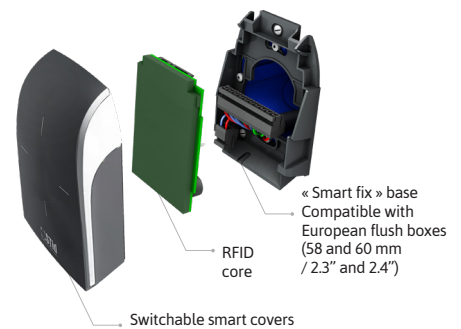
The scramble pad mode enhances the security of your access control system and prevents stolen access codes because numbers are randomly scrambled on the display.

## SPECIFICATIONS

Operating frequency/Standards	13.56 MHz. ISO14443 types A & B, ISO18092 (NFC)
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 6 cm (2.36") with a LEGIC® Prime card Up to 4 cm (1.57") 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 / 0.2") / 2-pin plug-in connector (5 mm / 0.2"): O/C contact - Tamper detection signal
Light indicator	2 RGB LEDs - 360 colors Card, UHF technology, software configurations and external command (0V) in R3x/S3x - Software configuration in W3x
Audio indicator	Internal buzzer Software-configuration in R3x & W3x
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 w x d)	128 x 80 x 31 mm/ 5.3" x 3.14" x 1.22"
Operating temperatures	- 20°C to + 70°C / - 4°F to + 158°F / 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 / High resistant laser marking of keys
Mounting	Wall mount/Flush mount (European flush boxes 60 & 62 mm) Compatible with any surfaces and metal walls without spacer.
Certifications	CE, FCC and UL
Part numbers	Secure read only - TTL.....ARC-R31-N/LE2-xx/y Secure read only - RS232.....ARC-R32-N/LE2-5AB/y Secure read only - RS485.....ARC-R33-N/LE2-7AB/y Secure read/write - RS232.....ARC-W32-N/LE2-5AA/y Secure read/write - RS485.....ARC-W33-N/LE2-7AA/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

New York, NY 10005, USA  
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