



HIGH SECURITY READER ARC-M - 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



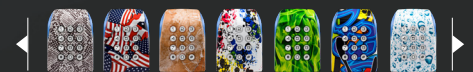
PRINTING OF YOUR LOGO
using digital UV
or pad printing

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-M is a secure LEGIC® card reader with capacitive keypad.

DUAL FUNCTION READER

Both reader and keypad, the ARC-M allows a dual-identification by combining card and/or PIN code identifications. Thanks to its various operating modes (card OR key or card THEN key), you can use the keypad to identify people (PIN code matched in the card...) or to activate additional functions (activation of the intrusion alarm...).

HIGH SECURITY IDENTIFICATION

The ARC-M 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.

RESISTANCE AND RELIABILITY

The ARC-M robust reader can be used indoors and outdoors (IP65 excluding connectors). It also has a reinforced structure to resist to physical attacks. Thanks to the capacitive technology, the keypad is sealed

and protected from the accumulation of dirt. It also prevents the premature mechanical wear of keys, common on conventional keypads available on the market.

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.

DESIGN AND CUSTOMIZATION

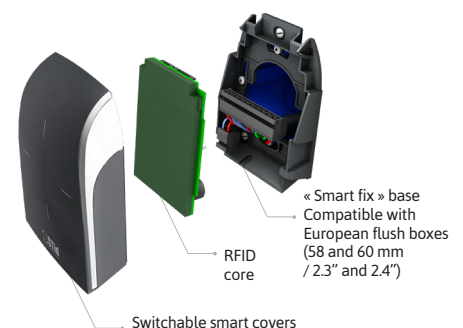
STid offers a range of customization options to tailor your reader to your corporate image and integrate it fully in its installation environment.

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)	107 x 80 x 26 mm / 4.2" x 3.14" x 1"
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-M/LE2-xx/y Secure read only - RS232.....ARC-R32-M/LE2-5AB/y Secure read only - RS485.....ARC-R33-M/LE2-7AB/y Secure read/write - RS232.....ARC-W32-M/LE2-5AA/y Secure read/write - RS485.....ARC-W33-M/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

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