13.56 MHz

Read only version

Read Write version

HIGH SECURITY READER

ARC-M - SMART LEGIC® CARD READER + KEYPAD

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

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-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.

LEGIC® innovation in ID technology | MIFARE Plus | MIFARE DESFire EV1 et EV2 | iCLASS®

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.

CUSTOMIZABLE
MULTI-COLORED LEDs
(RGB, 360 colors)

CASING COLOR CHOICE

LOGO PRINTING
Tampography
Ink-jet printing HQ

ARC-M - HIGH SECURITY READER

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

STid Electronic Identification

SPECIFICATIONS

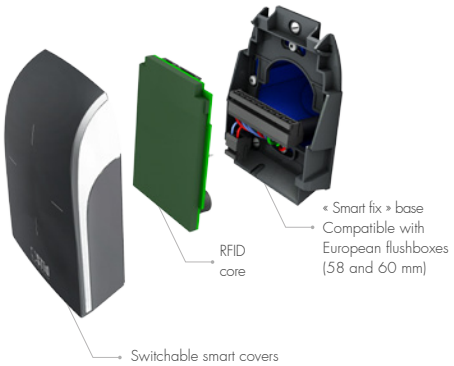
Operating frequency/Standards	13.56 MHz - ISO14443, ISO15693
Chip compatibility	LEGIC® Advant & Prime / CSN of chips: MIFARE Ultralight®, MIFARE Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus®, MIFARE® DESFire® EV1 & EV2, iCLASS®, PicoPass®, ISO15693-3
Functions	Read only: CSN or private ID (sector/file) Read-Write (SSCP)
Reading distances*	Up to 6 cm with a LEGIC® Prime card Up to 4 cm with a LEGIC® Advant card
Keypad	Sensitive/capacitive keypad - 12 backlit keys Functions: Card OR Key / Card THEN Key Activated/deactivated by software in R3x & W3x
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/C contact - Tamper detection signal
Light indicator	2 RGB LEDs - 360 colors Software-configuration in R3x & 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
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 / 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
Part number y: casing color (1: black - 2 : white)	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

*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 kit and the SSCP protocol.

Architect® upgradable series



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