UPGRADABLE HIGH SECURITY READER

RFID MIFARE® DESFIRE® EV2 & EV3 CARDS, NFC SMARTPHONES

11 Awards

LIFETIME WARRANTY

BENEFITS

- RFID and NFC secure identification
- Higher levels of security with open technologies
- Modular concept for maximum cost optimization
- Simplified installation with plug-in terminal block
- Interoperable and multi-protocol

OSDP™ Supported by SIA

SSCP® Supported by SPAC

13.56 MHz

TTL
RS485
RS232

Water resistant IP65

Vandal-proof IK10

YOUR LOGO

- Print your logo
- Casing color
- Skin effect customization

Vandal-proof and extremely scalable, the Architect® card reader is specially designed for all your high-security access control applications.

WELCOME TO HIGH SECURITY

The reader uses the latest MIFARE® DESFire® EV2 & EV3 contactless chip technologies with new data security mechanisms:

- **Secure Messaging EV2:** secure transaction method based on AES-128 with protection against interleaving and replay attacks.
- **Proximity Check:** improved protection against relay attacks.

All public encryption algorithms can be used (3DES, AES, RSA, SHA, etc.), which are recommended by official data security agencies (such as the French national agency ANSSI).

ULTIMATE SELF-PROTECTION

The patented motion sensor pull detection system protects sensitive data by allowing authentication keys to be erased.

Unlike existing solutions within this market, the reliability of the accelerometer avoids potential system bypass.

CREATE YOUR OWN SCALABLE CONFIGURATION

The Architect® reader can be tailored to your needs, ensuring that all functionalities and security levels can be upgraded across all your readers - by RFID card or protocol.

The scalability allows you to implement new functionality such as a touch screen/keypad, QR Code or biometric module.

OPEN TECHNOLOGIES FOR EASY INTEGRATION

The reader is compatible with all access control systems and accepts multiple interfaces and protocols (Wiegand, Clock&Data, SSCP® and OSDP™).

STANDING THE TEST OF TIME

Architect® design reader makes it very robust in harsh environments (IP65) with high levels of resistance to vandalism (certified IK10).

OUR SECURITY OFFERINGS

- **Easyline**: readers and cards pre-configured and programmed, ready to use.
- **Expert line**: you program your readers and cards in perfect autonomy with the intuitive configuration tools.
- **Individual line**: we offer a wide range of Premium services to configure and customize your readers and credentials according to your needs.

Find out more

DESIGNED & MADE IN FRANCE

WE'VE GOT YOUR BACK

SPECIFICATIONS

Operating frequency / Standards	13.56 MHz: ISO14443 types A & B, ISO18092
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only*)
Functions	CSN, pre-configured (Easyline - PC2) or secure (file, sector) read only / Controlled by protocol (read-write)
Communication interfaces & protocols	TTL Clock&Data (ISO2) or Wiegand output (encrypted communication option - S31) / RS232 & RS485 outputs (encrypted option - S33) with SSCP® v1 & v2 secure communication protocols; OSDP™ v1 (plain) and v2 (Secure Channel Protocol)
Decoder compatibility	Compatible with EasySecure (encrypted communication) and "transparent" interfaces: EasyRemote, RemoteSecure & RemoteSecure addressable (4 readers)
Reading distances**	Up to 8 cm / 3.15" with a MIFARE® DESFire® EV2 or Classic card
Light indicators	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by RFID card, software or external command (0V) according to the interface
Audio indicator	Internal buzzer Configuration by RFID card, software or external command (0V) according to the interface
Power requirement	130 mA/12 VDC max
Power supply	7 to 28 VDC
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
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)
Dimensions (h x w x d)	106.6 x 80 x 25.7 mm / 4.21" x 3.15" x 1.02" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 30°C to + 70°C / - 22°F to + 158°F
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented solution) and/or message to the controller
Protection / Resistance	IP65 - Weather-resistant with waterproof electronics compliant with CEI NF EN 61086 standard Humidity: 0 - 95% / Reinforced vandal-proof structure IK10 certified
Mounting	Compatible with any surfaces and metal walls - Wall mount/Flush mount: - European 60 & 62 mm / 2.36" & 2.44" - American (metal/plastic) - 83.3 mm / 3.27" - Dimensions: 101.6 x 53.8 x 57.15 mm / 3.98" x 2.09" x 2.24" - Examples: Hubbel-Raco 674, Carlon B120A-UP
Certifications	CE (Europe), FCC (USA), IC (Canada) and UL
Part numbers y: case color (1: black - 2 white)	Read-only serial number - TTL ..... ARC-R31-A/103-xx/y Pre-configured read-only Easyline - Wiegand ..... ARC-R31-A/PC2-xx/1 Secure read-only - TTL ..... ARC-R31-A/PH5-xx/y Secure read-only - Secure Plus - TTL ..... ARC-S31-A/PH5-xx/y Secure read-only - RS232 ..... ARC-R32-A/PH5-5AB/y Secure read-only - RS485 ..... ARC-R33-A/PH5-7AB/y Secure read-only - EasySecure - RS485 ..... ARC-R33-A/PH5-7AA/y Secure read-only - Secure Plus - RS485 ..... ARC-S33-A/PH5-7AB/y Secure read-only - Secure Plus / EasySecure - RS485 ..... ARC-S33-A/PH5-7AA/y Secure read-only - EasyRemote - RS485 ..... ARC-R33-A/PH5-7BB/y Controlled by SSCP® v1 protocol - RS232 ..... ARC-W32-A/PH5-5AA/y Controlled by SSCP® v1 protocol - RS485 ..... ARC-W33-A/PH5-7AA/y Controlled by SSCP® v1 protocol / RemoteSecure interface - RS485 ..... ARC-W33-A/PH5-7BB/y Controlled by SSCP® v1 protocol / RemoteSecure addressable interface - RS485 ..... ARC-W33-A/PH5-7BC/y Controlled by SSCP® v2 protocol - RS485 ..... ARC-W33-A/PH5-7AD/y Controlled by OSDP™ v1 & v2 protocol - RS485 ..... ARC-W33-A/PH5-7OS/y

DISCOVER OUR CREDENTIALS AND OUR ERGONOMIC MANAGEMENT TOOLS

13.56 MHz ISO cards & key holders

NFC smartphones using STid Mobile ID® application

Decorative plate / Shield / Spacers / Converter cables / Bio and 125 kHz modules...

SECard configuration kit and SSCP, SSCP2 & OSDP™ protocols

*Our readers only read the iCLASS™ chip serial number / UID PICO1444-3B. They do not read iCLASS™ cryptographic protection or the HID Global serial number / UID PICO 15693.
**Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading).

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