



HIGH SECURITY RFID CARD READER CAPACITIVE KEYPAD + BIOMETRICS



COMPATIBILITY

- MIFARE® Classic & Classic EV1
- MIFARE Plus®
- MIFARE® DESFire® 256, EV1 / EV2
- SECard software
- OSDP™ / SSCP protocols



LET YOUR IMAGINATION FLOW

Customization of the multicolor LEDs (RGB, 360 colors)



PRINTING OF YOUR LOGO using digital UV or pad printing



CERTIFICATIONS



ACCESS CONTROL ON CRITICAL SITES

The Architect® ARC-E reader provides secure multi-factor authentication by combining the most secure open RFID technologies on the market, a capacitive keypad and a biometric fingerprint sensor.

FINGERPRINT SECURE MANAGEMENT

Several fingerprint management possibilities depending on your security needs:

- **Fingerprint templates directly stored in the RFID card** (CNIL French legislation compliance).
- **Fingerprint templates stored in the reader or in the system.**
- **Biometric derogation** to manage one-time visitor or difficult finger etc.

WELCOME TO HIGH SECURITY

The reader uses the latest MIFARE® DESFire® EV2 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).



ADVANCED ANTI-FRAUD FUNCTIONS

The Architect® biometric reader is designed to resist fraud attempts:

- **False finger detection:** the reader detects a wide range of counterfeit fingerprints made of latex, Kapton, transparent film, rubber, graphite, etc.
- **Detection of live fingers.**
- **Duress finger:** the admin can assign a finger number dedicated to authentication when the user is threatened.

CAPACITIVE KEYPAD VANDAL-PROOF

Thanks to its various operating modes (card AND key or card OR key), you can use the keypad to identify people or to activate additional functions (activation of the intrusion alarm...).

SPECIFICATIONS

Operating frequency/Standards	13.56 MHz. ISO14443 type A
Chip compatibility	MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1, MIFARE® DESFire® 256, EV1 & EV2
Functions	Read only: private ID (sector/file) or Secure Protocol (Secure Plus) / Secure Read Write
Digital fingerprint sensor	Optical (SAFRAN MorphoSmart™ CBM E3) - ≤ 1 second for a 1:1 authentication
Communication interfaces & protocols	TTL Data Clock (ISO2) or Wiegand (ciphered mode - S31) / RS232 / RS485 (ciphered mode - S33) with secure communication protocols SSCP & SSCP2 ; OSDP™ V1 (plain communication) & V2 (SCP secure communication)
Decoder compatibility	Compatible with EasySecure interface
Reading distances*	Up to 6 cm / 2.36" with a MIFARE® DESFire® EV2 or Classic card
Light indicator	2 LEDs RGB - 360 colors Configuration by RFID card, software, external command (0V) or UHF technology according to the interface
Audio indicator	Internal buzzer Configuration by RFID card, software, external command (0V) or UHF technology according to the interface
Power requirement	250 mA / 12 VDC Typical
Power supply	7 VDC 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 or the reading of a credential
Material	ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)
Dimensions (h x w x d)	148,3 x 80 x 25,7/71 mm (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 10°C to + 50°C / De + 14°F a + 122°F / Humidity: 0 - 95%
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented solution)
Protection	IP65 Level excluding connector - Weather-resistant with waterproof electronics compliant with CEI NF EN 61086 standard
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" - External 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, FCC & UL
Part numbers	
Read only	Secure - TTL ARC-R31-E/PH5-xx/y Secure / Secure Plus - TTL ARC-S31-E/PH5-xx/y Secure - RS232 ARC-R32-E/PH5-5AB/y Secure - RS485 ARC-R33-E/PH5-7AB/y Secure / EasySecure Interface - RS485 ARC-R33-E/PH5-7AA/y Secure / Secure Plus - RS485 ARC-S33-E/PH5-7AB/y Secure / Secure Plus / EasySecure Interface- RS485 ARC-S33-E/PH5-7AA/y
Read/write	Secure - RS232 ARC-W32-E/PH5-5AA/y Secure - RS485 ARC-W33-E/PH5-7AA/y Secure SSCP2 compliant CSPN - RS485 ARC-W33-E/PH5-7AD/y Secure OSDP™ - RS485 ARC-W33-E/PH5-7OS/y

y: casing color (1: black - 2: white)

DISCOVER OUR CREDENTIALS



13.56 MHz ISO cards & key holders

AND OUR ACCESSORIES



Decorative plates / Spacers / Mounting plates / Braille labels...



SECard configuration kit and SSCP, SSCP2 & OSDP™ protocols

*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).
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