

MULTI-TECHNOLOGY KEYPAD READER

125 kHz CARDS, MIFARE® DESFIRE® EV2 & EV3 AND NFC SMARTPHONES

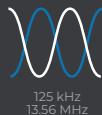


Available in touchscreen and standard versions



BENEFITS

- Compatible with legacy Prox 125 kHz technologies
- Seamless migration to secure
- Multi-factor identification with capacitive keypad
- Modular concept for maximum cost optimization



- Print your logo
- Casing color
- Skin effect customization

The Architect® Hybrid reader facilitates your migrations to secure technologies. It combines two identification technologies 125 kHz and 13.56 MHz with a capacitive vandal-proof keypad.

MULTI-TECHNOLOGY READER

Offering support for the widest range of contactless identification technologies, the reader is the ideal choice for making a gradual transition to high security.

It simplifies management of upgrades, technological migrations and complex multi-site configurations.

125 kHz Prox technologies

The reader is compatible with many legacy Prox technologies: EM®, NEDAP®, CROSSPOINT®, Wiegand 26, 34, 35 y 37 bits formats...

RFID MIFARE® DESFire® EV2 & EV3

It supports the latest contactless technologies with new data security features:

- **Secure Messaging EV2:** protection against attacks via interleaving and replay.
- **Proximity Check:** protection against relay attacks.

The reader supports the use of public security algorithms recognized by specialized and independent organizations in information security (ANSSI French cybersecurity agency and FIPS).

VANDAL-PROOF CAPACITIVE KEYPAD

Equipped with a backlit keypad, the reader allows multi-factor identification of users by combining the reading of an RFID card with the input of a personal keypad code.

Thanks to its different operating modes, the keypad can be used for identification or to activate additional functions (alarm...).

The same reader can also operate in multiple mode e.g. it authorizes card reading for personnel or just code entry for visitors or temporary workers.

A CUSTOMIZED SCALABLE CONFIGURATION

The Architect® reader can be customized to meet your needs: all the features and security levels of the readers in your organization can be upgraded - by RFID credential or protocol.

The scalability allows you to remove the 125 kHz module once your technology migration is completed and/or to implement new functionality such as a touchscreen.

OPEN TECHNOLOGIES FOR EASY INTEGRATION

The reader is compatible with many access control systems and accepts multiple interfaces and protocols (Wiegand, Clock&Data, SSCP® v1 & v2 and OSDPTM v1 & v2).

STANDING THE TEST OF TIME

Its design makes it very robust in harsh environments. It can therefore be used outdoors and offers high levels of resistance to vandalism (IK08 certified).

SPECIFICATIONS

Operating frequency / Standards	125 kHz 13.56 MHz: ISO14443 types A & B, ISO18092																								
Chip compatibility	EM42xx / EM4x50 / Wiegand 26, 34, 35 and 37 bits format / Nedap® / Crosspoint® 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) and secure read-only / Controlled by protocol (read / write)																								
Communication interfaces & protocols	TTL Wiegand or Clock&Data (ISO2) output (encrypted communication option - S31) / RS485 output (encrypted communication option - S33) or RS232 with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (Secure Channel Protocol) / Compatible with EasySecure interface (encrypted communication)																								
Keypad	Sensitive / Capacitive keypad - 12 backlit keys - Functions: Card AND Key / Card OR Key Configuration by RFID card, software, external command (OV) or according to the interface																								
Reading distances**	Up to 6 cm / 2.36" with a 125 kHz card Up to 6 cm / 2.36" with a MIFARE® DESFire® EV2 card																								
Light indicators	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by RFID card, software, external command (OV) or according to the interface																								
Audio indicator	Internal buzzer Configuration by RFID card, software, external command (OV) or according to the interface																								
Relay	Automatic tamper direction management SSCP® / OSDP™ command according to the interface																								
Power requirement	190 mA / 12 VDC Max																								
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																								
Material	ABS-PC UL-V0 (black)																								
Dimensions (h x w x d)	145.6 x 80 x 25.7 mm / 5.7" x 3.15" x 0.98" (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)																								
Protection / Resistance	IP65 - Weather-resistant with waterproof electronics (CEI NF EN 61086 homologation) Humidity: 0 - 95% / Reinforced IK08 certified vandal-proof structure																								
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 BI20A-UP																								
Certifications	CE (Europe), FCC (USA), IC (Canada) and UL																								
Part numbers	<table border="0"> <tr> <td>Easyline pre-configured - Wiegand protocol</td> <td>ARC-RX1-J/PC2-3x/1</td> </tr> <tr> <td>Secure read only - TTL</td> <td>ARC-RX1-J/BF5-xx/1</td> </tr> <tr> <td>Secure read only - Secure Plus - TTL</td> <td>ARC-SX1-J/BF5-xx/1</td> </tr> <tr> <td>Secure read only - RS232</td> <td>ARC-RX2-J/BF5-5AB/1</td> </tr> <tr> <td>Secure read only - RS485</td> <td>ARC-RX3-J/BF5-7AB/1</td> </tr> <tr> <td>Secure read only - Secure Plus - RS485</td> <td>ARC-SX3-J/BF5-7AB/1</td> </tr> <tr> <td>Secure read only - EasySecure Interface - RS485</td> <td>ARC-RX3-J/BF5-7AA/1</td> </tr> <tr> <td>Secure read only - Secure Plus / EasySecure Interface - RS485</td> <td>ARC-SX3-J/BF5-7AA/1</td> </tr> <tr> <td>Controlled by SSCP® v1 protocol - RS232</td> <td>ARC-WX2-J/BF5-5AA/1</td> </tr> <tr> <td>Controlled by SSCP® v1 protocol - RS485</td> <td>ARC-WX3-J/BF5-7AA/1</td> </tr> <tr> <td>Controlled by SSCP® v2 protocol - RS485</td> <td>ARC-WX3-J/BF5-7AD/1</td> </tr> <tr> <td>Controlled by OSDP™ v1 & v2 protocol - RS485</td> <td>ARC-WX3-J/BF5-7OS/1</td> </tr> </table>	Easyline pre-configured - Wiegand protocol	ARC-RX1-J/PC2-3x/1	Secure read only - TTL	ARC-RX1-J/BF5-xx/1	Secure read only - Secure Plus - TTL	ARC-SX1-J/BF5-xx/1	Secure read only - RS232	ARC-RX2-J/BF5-5AB/1	Secure read only - RS485	ARC-RX3-J/BF5-7AB/1	Secure read only - Secure Plus - RS485	ARC-SX3-J/BF5-7AB/1	Secure read only - EasySecure Interface - RS485	ARC-RX3-J/BF5-7AA/1	Secure read only - Secure Plus / EasySecure Interface - RS485	ARC-SX3-J/BF5-7AA/1	Controlled by SSCP® v1 protocol - RS232	ARC-WX2-J/BF5-5AA/1	Controlled by SSCP® v1 protocol - RS485	ARC-WX3-J/BF5-7AA/1	Controlled by SSCP® v2 protocol - RS485	ARC-WX3-J/BF5-7AD/1	Controlled by OSDP™ v1 & v2 protocol - RS485	ARC-WX3-J/BF5-7OS/1
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DISCOVER OUR CREDENTIALS AND MANAGEMENT TOOLS



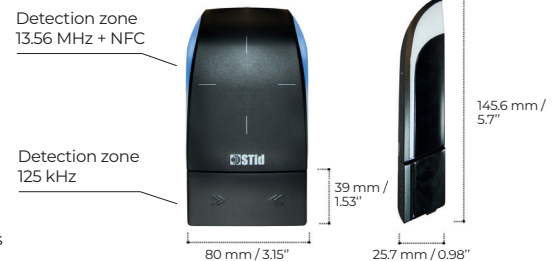
ISO cards & key holders
(125 kHz, 13.56 MHz ...)



NFC smartphones / smartwatches
using STid Mobile ID® application



SECard configuration kit,
SSCP® v1 & v2 and 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 PICO15693.

**Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of credential, size of the credential, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading). External interference may reduce reading distances.

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