MULTI-TECHNOLOGY TOUCHSCREEN READER

125 kHz, MIFARE® DESFIRE® EV2 & EV3, NFC, BLUETOOTH®

Available in keypad and standard versions

BENEFITS

- Compatible with legacy Prox 125 kHz technologies
- Seamless migration to secure and mobile technologies
- Customizable multi-function color touchscreen
- High-security function with scramble pad
- Modular concept for maximum cost optimization

11 Awards

OSDP™ Supported by SIA

SSCP® Supported by SPAC

125 kHz 13.56 MHz | BLUETOOTH® | TTL RS232 RS485 | EAL5+ | Water resistant EQ IP65

- Display of your logo, images and customized text
- 2 configurable multicolor LEDs

The Architect® Blue Hybrid touchscreen reader facilitates your migrations to secure and mobile technologies. It combines three identification technologies 125 kHz, 13.56 MHz and Bluetooth® with a customizable color touchscreen.

MULTI-TECHNOLOGY READER

The Architect® Blue Hybrid touchscreen reader 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®, Crosspoint®, Nedap®...

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). It includes an EAL5+ crypto processor to improve data protection and confidentiality.

Bluetooth® and NFC smartphones

The smartphone becomes your access key and removes all the limitations of traditional access control cards. STid offers 6 modes of Prox, long distance or handsfree identification to make your access control both secure and instinctive!

TOUCH KEYPAD READER

Both a reader and a tactile keypad, it allows user identification by combining the reading of an RFID or virtual card with the input of a personal keypad code.

The same reader can also operate in multiple mode. It authorizes, for example, the reading of cards for personnel and the entry of codes for visitors or temporary workers.

SMART FUNCTIONS

Scramble Pad: protects access against the fraudulent use of identification codes by the random display of the keys.

Mixed display: logo, instructions, personalized messages, images, or keypad are displayed by a simple touch wake-up of the screen.

Buttons 100% customizable using the SSCP® protocol: alarm activation, time management...

Doorbell: tactile button used to activate a doorbell via the relay built into the reader.

A CUSTOMIZED SCALABLE CONFIGURATION

The Architect® Blue 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, virtual card 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.

SPECIFICATIONS

Operating frequency / Standards	125 kHz 13.56 MHz: ISO14443 types A & B, ISO18092 Bluetooth®
Technology compatibilities	EM42xx / EM4x50, Crosspoint®, Nedap®, Format Wiegand 26, 34, 35 and 37 bits MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, PicoPass® (CSN only), iCLASS™ (CSN only*) STid Mobile ID® (NFC HCE and Bluetooth® virtual card), Orange Pack ID
Functions	CSN read-only, secure (file, sector) and secure protocol (Secure Plus) / Controlled by protocol (read/write)
Communication interfaces & protocols	TTL Data Clock (ISO2) or Wiegand output (encrypted option - S31) / RS485 output (encrypted option - S33) with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (SCP secure communication) Compatible with EasySecure interface
Touchscreen	Color touchscreen - 2.8" - 240 x 320 pixels 12 keys - Standard or random (scramble pad) keypad function / Functions: Card AND Key / Card OR Key / Format 4 or 8 bits Configurable by card (standard or virtual with STid Settings application), UHF technology or software according to the interface
Reading distances**	Up to 6 cm / 2.36" with a 125 kHz card Up to 4 cm / 1.57" with a MIFARE DESFire® EV2 card Up to 20 m / 65.6 ft with a Bluetooth® smartphone (adjustable distances on each reader)
Data protection	Yes - EAL5+ secure data storage with certified crypto processor
Light indicators	2 RGB LEDs - 360 colors ▲ ▲ ▲ Configuration by card (standard or virtual), software, external command (0V) or UHF technology according to the interface
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual), software, external command (0V) or UHF technology according to the interface
Relay	Automatic tamper direction management or SSCP® / OSDP™ command according to the interface
Power requirement	250 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)	156.4 x 80 x 30.5 mm / 6.14" x 3.15" x 1.2" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 20°C to + 70°C / - 4°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 Level excluding connector - Weather-resistant with waterproof electronics (CEI NF EN 61086 homologation) / Humidity: 0 - 95%
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 FC UL c UL us	CE (Europe), FCC (USA), IC (Canada) and UL
Part numbers	Secure read only - TTL...ARCS-R31-K/BT2-xx/1 Secure read only / Secure Plus - TTL...ARCS-S31-K/BT2-xx/1 Secure read only - RS485...ARCS-R33-K/BT2-7AB/1 Secure read only / EasySecure interface - RS485...ARCS-R33-K/BT2-7AA/1 Secure read only / Secure Plus - RS485..ARCS-S33-K/BT2-7AB/1 Secure read only / Secure Plus / EasySecure interface - RS485.......................................ARCS-S33-K/BT2-7AA/1 Controlled by SSCP® v1 protocol - RS485...ARCS-W33-K/BT2-7AA/1 Controlled by SSCP® v2 protocol - RS485...ARCS-W33-K/BT2-7AD/1 Controlled by OSDP™ v1 & v2 protocol - RS485..ARCS-W33-K/BT2-7OS/1

DISCOVER OUR CREDENTIALS, ACCESSORIES AND MANAGEMENT TOOLS

Bluetooth® & NFC smartphones / smartwatches using STid Mobile ID® application
125 kHz, 13.56 MHz or dual frequency ISO cards & key holders

Privacy filter
ANTI-SPY-ARC

SECARD
SECard configuration kit and SSCP® v1 & v2 and OSDP™ protocols

STid Mobile ID® Online Portal
Web platform for remote management of your virtual cards

*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 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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