

MULTI-TECHNOLOGY TOUCHSCREEN READER

125 kHz MULTI-PROX, MIFARE® DESFIRE® EV2 & EV3, NFC, BLUETOOTH®



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



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

The Architect® Blue Hybrid Multi-Prox 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

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®, HID Proximity®, AWID®, INDALA®, IOPROX®...

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.



Advanced function buttons using the OSDP™ protocol: alarm activation, time attendance...



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

A CUSTOMIZED SCALABLE CONFIGURATION

The 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, HID Proximity®, INDALA® (Wiegand 26 & 27 bits), IOPROX®, AWID® 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	Wiegand output RS485 output with OSDPT™ v1 (plain communication) and v2 (SCP secure communication) protocols
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 Configurable by card (standard or virtual with STid Settings application) 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 or external command (0V) according to the interface
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual), software or external command (0V) according to the interface
Relay	Automatic tamper direction management or OSDPT™ command according to the interface
Power requirement	260 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 - 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 (Europe), FCC (USA), IC (Canada) and UL
Part numbers	Wiegand protocol ARCS-RX1-KM/BT2-3x/1 Controlled by OSDPT™ protocol - RS485 ARCS-WX3-KM/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 OSDPT™ V1 & V2 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.

Legal: STid, STid Mobile ID® and Architect® are registered trademarks of STid SAS. All trademarks mentioned in this document belong to their respective owners. All rights reserved - This document is the property of STid. STid reserves the right to make changes to this document and to cease marketing its products and services at any time and without notice. Photos are not contractually binding.

Headquarters / EMEA

13850 Créasque, France
Tel.: +33 (0)4 42 12 60 60

PARIS-IDF

92290 Châtenay-Malabry, France
Tel.: +33 (0)1 43 50 11 43

STid UK Ltd.

Callows Hill, Warwick CV34 6UW, UK
Tel.: +44 (0) 192 621 7884

NORTH AMERICA

Irving, Texas 75063-2670, USA
Tel.: +1 877 894 9135

LATINO AMERICA

Cuauhtémoc, 06600 CDMX, México
Tel.: +52 (55) 5256 4706

MIDDLE EAST

Dubai Digital Park, DSO, UAE
Tel.: +971 521 863 656