QxControl™& STiD Architect®Blue

MULTI-TECHNOLOGY KEYPAD READER

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

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 capacitive vandal-proof keypad.

HIGHLIGHTS

Feature

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

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.

VANDAL-PROOF CAPACITIVE KEYPAD

Equipped with a backlit keypad, the reader allows multi-factor identification of users by combining the reading of an RFID or virtual 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® 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.

OPEN TECHNOLOGIES FOR EASY INTEGRATION

The reader is compatible with many access control systems and accepts multiple interfaces and protocols (Wiegand and OSDP™ v1 & v2).

SPECIFICATIONS

Operating frequency / Standards	125 kHz 13.56 MHz: ISO14443 types A & B, ISO18092 Bluetooth®
Technology compatibilities	EM42xx / EM4x50, HID Proximity®, INDALA® (Wiegand 27 bits only), 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, pre-configured (Easyline - PC2) and secure read-only / Controlled by protocol (read/write)
Communication interfaces & protocols	Wiegand output RS485 output with OSDP™ v1 (plain communication) and v2 (SCP secure communication) protocols
Keypad	Sensitive / capacitive keypad - 12 backlit keys / Modes: Card AND Key / Card OR Key Configurable by card (classic or virtual with STid Settings application), UHF technology or software depending on 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 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 indicator	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 OSDP™ command according to the interface
Power requirement	220 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
Materials	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 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% / Reinforced IK10 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 B120A-UP
Certifications	CE (Europe), FCC (USA), IC (Canada) and UL

Part Numbers:

READ ONLY

WIEGAND PROTOCOL:	**ARCS-RX1-JM/BT2-3X/1**
EASYLINE PRE-CONFIGURED OFFER - WIEGAND :	**ARCS-RX1-JM/PC2-3X/1**

CONTROLLED BY PROTOCOL

OSDP™ - RS485:	**ARCS-WX3-JM/BT2-7OS/1**

*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.