QxControl™ & STiD Architect®Blue

MULTI-TECHNOLOGY ACCESS READER

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

NFC, BLUETOOTH®

STid enhances your migrations to advanced security levels with the Architect® Blue Hybrid Multi-Prox access control reader combining three identification technologies: 125 kHz + 13.56 MHz + Bluetooth®.

HIGHLIGHTS

Feature

- Compatible with legacy Prox
- 125 kHz technologies
- Seamless migration to secure and mobile technologies
- 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.

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.

Bluetooth® and NFC smartphones

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.

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).

*The smartphone can be used as a biometric derogation. There is no fingerprint stored in the virtual card.

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)
Reading distances**	Up to 6 cm / 2.36" with a 125 kHz card Up to 8 cm / 3.15" 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	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
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

CE FC UL cULus

Part Numbers:

READ ONLY

SECURE - WIEGAND:	**ARCS-RX1-IM/BT2-3X/1**
EASYLINE PRE-CONFIGURED OFFER - WIEGAND :	**ARCS-RX1-IM/PC2-XX/1**

CONTROLLED BY PROTOCOL

Secure - OSDP™ RS485:	**ARCS-Wx3-IM/BT2-7OS/1**

145.64 mm / 5.71"
38.99 mm / 1.49"
79.93 mm / 3.11"
25.7 mm / 0.98"
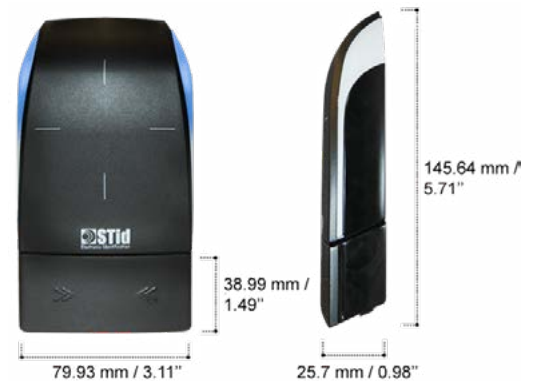
**Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of credential, size of the credential, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading). External interference may reduce reading distances.