

MULTI-TECHNOLOGY ACCESS READER

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



Available in touchscreen and keypad versions



BENEFITS

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



125 kHz
13.56 MHz



BLUETOOTH®



TTL
RS485



Water
resistant
EQ IP65



Vandal-proof
IK10



- Print your logo
- Casing color
- Skin effect customization

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

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®...

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!

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, Clock&Data, SSCP® v1 & v2 and OSDP™ 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 (certified IK10).

SPECIFICATIONS

Operating frequency/Standards	125 kHz 13.56 MHz: ISO14443 types A & B, ISO18092 Bluetooth®																				
Technology compatibilities	EM42xx / EM4x50 / Wiegand 26, 34, 35 and 37 bits / Nedap® / Crosspoint® format 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	TTL Wiegand or Clock&Data (ISO2) output (encrypted communication option - S31) / RS485 output (encrypted communication option - S33) with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (SCP secure communication) / Compatible with EasySecure interface																				
Reading distances**	Up to 8 cm / 3.15" 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 (OV) or UHF technology according to the interface																				
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual), software, external command (OV) or UHF technology according to the interface																				
Relay	Automatic tamper detection management or SSCP® / OSDP™ command according to the interface																				
Power requirement	180 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 solution) and/or message to the controller																				
Protection / Résistance	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	<table border="0"> <tr> <td>Easyline pre-configured - Wiegand protocol</td><td>ARCS-RX1-I/PC2-3x/1</td></tr> <tr> <td>Secure read only - TTL</td><td>ARCS-RX1-I/BT2-xx/1</td></tr> <tr> <td>Secure read only / Secure Plus TTL</td><td>ARCS-SX1-I/BT2-xx/1</td></tr> <tr> <td>Secure read only - RS485</td><td>ARCS-RX3-I/BT2-7AB/1</td></tr> <tr> <td>Secure read only / Secure Plus - RS485</td><td>ARCS-SX3-I/BT2-7AB/1</td></tr> <tr> <td>Secure read only / EasySecure Interface - RS485</td><td>ARCS-RX3-I/BT2-7AA/1</td></tr> <tr> <td>Secure read only / Secure Plus / EasySecure Interface - RS485</td><td>ARCS-SX3-I/BT2-7AA/1</td></tr> <tr> <td>Controlled by SSCP® v1 protocol - RS485</td><td>ARCS-WX3-I/BT2-7AA/1</td></tr> <tr> <td>Controlled by SSCP® v2 protocol - RS485</td><td>ARCS-WX3-I/BT2-7AD/1</td></tr> <tr> <td>Controlled by OSDP™ v1 & v2 protocol - RS485</td><td>ARCS-WX3-I/BT2-7OS/1</td></tr> </table>	Easyline pre-configured - Wiegand protocol	ARCS-RX1-I/PC2-3x/1	Secure read only - TTL	ARCS-RX1-I/BT2-xx/1	Secure read only / Secure Plus TTL	ARCS-SX1-I/BT2-xx/1	Secure read only - RS485	ARCS-RX3-I/BT2-7AB/1	Secure read only / Secure Plus - RS485	ARCS-SX3-I/BT2-7AB/1	Secure read only / EasySecure Interface - RS485	ARCS-RX3-I/BT2-7AA/1	Secure read only / Secure Plus / EasySecure Interface - RS485	ARCS-SX3-I/BT2-7AA/1	Controlled by SSCP® v1 protocol - RS485	ARCS-WX3-I/BT2-7AA/1	Controlled by SSCP® v2 protocol - RS485	ARCS-WX3-I/BT2-7AD/1	Controlled by OSDP™ v1 & v2 protocol - RS485	ARCS-WX3-I/BT2-7OS/1
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DISCOVER OUR CREDENTIALS AND MANAGEMENT TOOLS



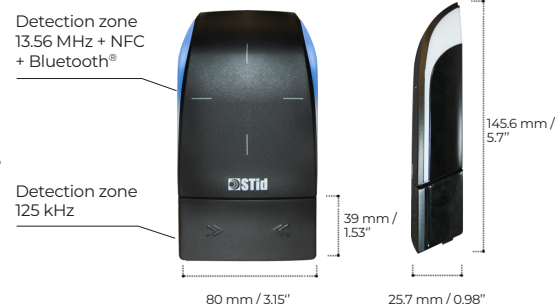
ISO cards & key holders
(125 kHz, 13.56 MHz ...)



Bluetooth® & NFC smartphones /
smartwatches using
STid Mobile ID® application



SECARD
SECARD configuration
kit and 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 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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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.

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

NORTH AMERICA

Irving, Texas 75063-2670, USA
Tel.: +1 469 524 3442

LATINO AMERICA

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

MIDDLE EAST

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

info@stid.com
www.stid-security.com