MULTI-TECHNOLOGY ACCESS READER

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

Available in touchscreen and keypad versions

11 Awards

BENEFITS

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

OSDP™ Supported by SIA

SSCP® Supported by SPAC

125 kHz 13.56 MHz

TTL RS485 RS232

Water resistant EQ IP65

Vandal-proof IK10

YOUR LOGO

- Print your logo
- Casing color
- Skin effect customization

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

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®, Wiegand 26, 34, 35 y 37 bits formats...

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).

A CUSTOMIZED SCALABLE CONFIGURATION

The Architect® 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 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).

OUR SECURITY OFFERINGS

- **Easyline**: readers and cards pre-configured and programmed, ready to use.
- **Expert line**: you program your readers and cards in perfect autonomy with the intuitive configuration tools.
- **Individual line**: we offer a wide range of Premium services to configure and customize your readers and credentials according to your needs.

Find out more

DESIGNED & MADE IN FRANCE

WE'VE GOT YOUR BACK

SPECIFICATIONS

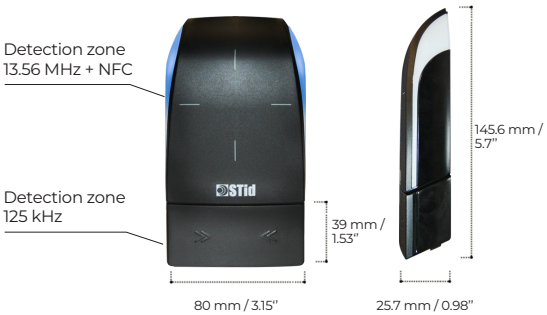
Operating frequency/Standards	125 kHz 13.56 MHz: ISO14443 types A & B, ISO18092
Technology compatibilities	EM42xx / EM4x50 / Wiegand 26, 34, 35 and 37 bits / Nedap® / Crosspoint® format MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1, EV2 & EV3, PicoPass® (CSN only), iCLASS™ (CSN only*)
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
Light indicator	2 RGB LEDs - 360 colors Configuration by RFID card, software, external command (0V) or UHF technology according to the interface
Audio indicator	Internal buzzer ▲ ▲ ▲ Configuration by RFID card, 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	160 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 / 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	Easyline pre-configured - Wiegand protocol ..... ARC-RX1-I/PC2-3x/1 Secure read only - TTL ..... ARC-RX1-I/BF5-xx/1 Secure read only / Secure Plus - TTL ..... ARC-SX1-I/BF5-xx/1 Secure read only - RS232 ..... ARC-RX2-I/BF5-5AB/1 Secure read only - RS485 ..... ARC-RX3-I/BF5-7AB/1 Secure read only / Secure Plus - RS485 ..... ARC-SX3-I/BF5-7AB/1 Secure read only / EasySecure Interface - RS485 ..... ARC-RX3-I/BF5-7AA/1 Secure read only / Secure Plus / EasySecure Interface - RS485 ..... ARC-SX3-I/BF5-7AA/1 Controlled by SSCP® v1 protocol - RS232 ..... ARC-WX2-I/BF5-5AA/1 Controlled by SSCP® v1 protocol - RS485 ..... ARC-WX3-I/BF5-7AA/1 Controlled by SSCP® v2 protocol - RS485 ..... ARC-WX3-I/BF5-7AD/1 Controlled by OSDP™ v1 & v2 protocol - RS485 ..... ARC-WX3-I/BF5-7OS/1

DISCOVER OUR CREDENTIALS AND MANAGEMENT TOOLS

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

NFC smartphones / smartwatches using STid Mobile ID® application

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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