



## DUAL-FREQUENCY READER FOR ACCESS CONTROL



### COMPATIBILITY

- ISO14443 types A & B
- MIFARE® credentials
- 125 kHz credentials
- SECard software
- SSCP / OSDP™ protocols



### LET YOUR IMAGINATION FLOW

Customization of the multicolor LEDs (RGB, 360 colors)



PRINTING OF YOUR LOGO using digital UV or pad printing



### CERTIFICATIONS



### OPTIMIZED MANAGEMENT OF YOUR TECHNOLOGICAL MIGRATIONS

STid has designed the Architect® Hybrid 125 kHz +13.56 MHz access control reader - perfect blend of two identification technologies - to facilitate your migrations to advanced security levels.

### ENSURE EASY MIGRATION

The Architect® Hybrid reader makes it easy to manage extensions, upgrades and technology migrations. It combines two identification frequencies: 125 kHz (EM, Crosspoint...) and 13.56 MHz (all the MIFARE® chips including DESFire® EV2, NFC, CSN of iCLASS™\*, CSN of PicoPass®...). If you need to set up a complex multi-site configuration, this reader can be used to read a range of different cards.

### WELCOME TO HIGH SECURITY

The Architect® Hybrid reader uses the latest MIFARE® contactless chip technologies with new data security mechanisms. All public encryption algorithms can be used (3DES, AES, RSA, SHA, etc.), which are recommended by official data security agencies (such as the French national agency ANSSI).

### CREATE YOUR OWN SCALABLE CONFIGURATION

The Architect® Hybrid can be tailored to your needs, offering the optimum solution for any situation and ensuring that all functionalities and security levels can be upgraded across all your readers. The modularity concept allows you to take the 125 kHz module out at the end of your technological migration and / or to implement new functions: keypad, touchscreen, biometrics.

### STANDING THE TEST OF TIME

Designed to push the boundaries, the Architect® Hybrid reader design has been developed to withstand harsh environments, to operate outside (IP65 level) and to offer a high impact resistance (IK10).



## SPECIFICATIONS

Operating frequency/Standards	125 kHz 13.56 MHz: ISO14443A types A & B, ISO18092
Chip compatibility	EM42xx / EM4x50 / Format Wiegand 26, 34, 35 and 37 bits / Nedap / Crosspoint MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus®, MIFARE® DESFire® 256, EV1 & EV2, NFC (HCE), SMART MX, CP3S, PicoPass® (CSN only), iCLASS™ (CSN only)*, CIMS Ministry of Defense card "Cartes Agents"...
Functions	Read only: CSN, private ID (sector/file) or Secure Protocol (Secure Plus) / Secure Read Write
Communication interfaces	2 variants: - TTL/RS232 protocol: Data Clock (ISO2), Wiegand (ciphered mode Sx1) or RS232 (ciphered mode Sx2) - TTL/RS485 protocol: Data Clock (ISO2), Wiegand (ciphered mode Sx1) or RS485 (ciphered mode Sx3) with secure communication protocols SSCP & SSCP2; OSDP™ V1 (plain communication) & 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
Integrated UHF chip	EPC 1 Gen 2 for contactless reader configuration (protocols, LEDs, buzzer...)
Light indicator	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
Power requirement	160 mA / 12 VDC
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) / ASA-PC-UL-V0 UV (white)
Dimensions (h x w x d)	145.64 x 79.93 x 25.7 mm / 5.71" x 3.11" x 0.98" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 20°C to + 70°C / - 4°F to + 158°F / Humidity: 0 - 95%
Tamper switch	Accelerometer-based tamper detection system with key deletion option (patented)
Protection / Resistance	IP65 Level - Weather-resistant with waterproof electronics (CEI NF EN 61086 certification) / Reinforced vandal-proof structure IK10
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" - External 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, FCC and UL
Part numbers	Secure read only TTL ..... ARC-Rx1-I/BF5-xx/y Secure read only / Secure Plus TTL ..... ARC-Sx1-I/BF5-xx/y Secure read only RS232 ..... ARC-Rx2-I/BF5-5AB/y Secure read only / Secure Plus RS232 ..... ARC-Sx2-I/BF5-5AB/y Secure read only RS485 ..... ARC-Rx3-I/BF5-7AB/y Secure read only / Secure Plus RS485 ..... ARC-Sx3-I/BF5-7AB/y  Secure read only / EasySecure Interface RS485 ..... ARC-Rx3-I/BF5-7AA/y Secure read only / Secure Plus / EasySecure Interface RS485 ..... ARC-Sx3-I/BF5-7AA/y  Secure read write SSCP RS232 ..... ARC-Wx2-I/BF5-5AA/y Secure read write SSCP RS485 ..... ARC-Wx3-I/BF5-7AA/y Secure read write SSCP2 RS485 ..... ARC-Wx3-I/BF5-7AD/y Secure read write OSDP™ RS485 ..... ARC-Wx3-I/BF5-7OS/y

## DISCOVER OUR CREDENTIALS



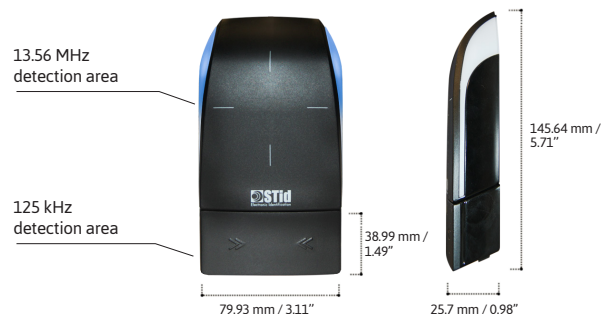
ISO cards  
(125 kHz, 13.56 MHz...)



Key holders  
(125 kHz, 13.56 MHz...)



**SECARD**  
SECARD configuration kit and SSCP, SSCP2 & OSDP™ protocols.



\*Our readers read only the iCLASS™ UID/Chip Serial Number. They do not read secure HID Global's iCLASS™ cryptographic protections.

\*\*Caution: information about the distance of communication: measured from the center of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, power supply voltage and reading functions (secure reading).

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