COMPATIBILITY
• ISO 14443 types A & B
• MIFARE® credentials
• 125 kHz credentials
• SECard software
• SSCP / OSDP protocols

CERTIFICATIONS
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.

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.

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.

LET YOUR IMAGINATION FLOW
Customization of the multicolor LEDs (RGB, 360 colors) PRINTING OF YOUR LOGO using digital UV or pad printing

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).

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).

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SPECIFICATIONS

**Operating frequency/Standards**
- 125 kHz
- 13.56 MHz: ISO14443A types A & B, ISO18092

**Chip compatibility**
- EM4xx / 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, CPS3, PicoPass® (CSN only), ICLASS® (CSN only), CMS Ministry of Defense card “Cartes Agents”.

**Functions**
- Read only: CSN, private ID (sector/file) or Secure Protocol (Secure Plus) / Secure Read Write
- 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, CPS3, PicoPass® (CSN only), ICLASS® (CSN only), CMS Ministry of Defense card “Cartes Agents”.

**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 SSPC & SSPC2; OSCP™ V1 (plain communication) & V2 (SCP secure communication)
- Compatible with EasySecure interface

**Light indicator**
- RGB LEDs - 360 colors
- Configuration by RFID card, software, external command (OV) or UHF technology according to the interface

**Audio indicator**
- Internal buzzer
- Configuration by RFID card, software, external command (OV) 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**
- Casing color (1: black - 2: white)
- Secure read only TTL
- Secure read only / Secure Plus TTL
- Secure read only RS232
- Secure read only / Secure Plus RS232
- Secure read only RS485
- Secure read only / Secure Plus RS485
- Secure read only / EasySecure Interface RS485
- Secure read only / Secure Plus / EasySecure Interface RS485
- Secure read write SSCP RS232
- Secure read write SSCP RS485
- Secure read write SSCP2 RS485
- Secure read write OSCP™ RS485
- Secure read write SSCP2 RS485
- Secure read write OSCP™ RS485
- Secure read write SSCP RS232
- Secure read write SSCP RS485
- Secure read write SSCP2 RS485
- Secure read write OSCP™ RS485
- Secure read write SSCP2 RS485
- Secure read write OSCP™ RS485

DISCOVER OUR CREDENTIALS

ISO cards (125 kHz, 13.56 MHz...)
- SECard configuration kit and SSPC & SSPC2 & OSCP™ protocols.
- Key holders (125 kHz, 13.56 MHz...)

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