ARCHITECT® BLUE

TOUCHSCREEN / KEYPAD READER
MULTI-TECHNOLOGY RFID, NFC AND BLUETOOTH®

BENEFITS

- Customizable multi-function color touchscreen
- High-security function with scramble pad
- Interoperable and multi-protocol
- Indoor / outdoor use

11 Awards

OSDP™ Supported by SIA

SSCP® Supported by SPAC

13.56 MHz BLUETOOTH® TTL RS485 EAL5+ Water resistant EQ IP65

- Display of your logo, images and customized text
- 2 configurable multicolor LEDs

Compatible with all access control systems, the Architect® Blue reader combines RFID, NFC and Bluetooth® technologies with a color touchscreen allowing the display of a keyboard and/or information.

TOUCH KEYPAD READER

Both a reader and a tactile keypad, it allows user identification by combining the reading of an RFID or virtual card with the input of a personal keypad code.

The same reader can also operate in multiple mode. It authorizes, for example, the reading of cards for personnel and the entry of codes for visitors or temporary workers.

WELCOME TO HIGH SECURITY

The reader facilitates the secure identification of users by its compatibility with multiple contactless technologies.

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!

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.

SMART FUNCTIONS

Scramble Pad: protects access against the fraudulent use of identification codes by the random display of the keys.

Mixed display: logo, instructions, personalized messages, images, or keypad are displayed by a simple touch wake-up of the screen.

Buttons 100% customizable using the SSCP® protocol: alarm activation, time management...

Doorbell: tactile button used to activate a doorbell via the relay built into the reader.

OPEN TECHNOLOGIES FOR EASY INTEGRATION

The reader is compatible with all access control systems and accepts multiple interfaces and protocols (Wiegand, Clock & Data, SSCP® and OSDP™).

SPECIFICATIONS

Operating frequency/Standards	13.56 MHz: ISO14443 types A & B, ISO18092 Bluetooth®
Technology compatibilities	MIFARE® Ultralight® & Ultralight® C, Classic & Classic EV1, Plus® (S/X) & Plus® EV1, 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 read-only, secure (file, sector) and secure protocol (Secure Plus) / Controlled by protocol (read/write)
Communication interfaces & protocols	TTL Data Clock (ISO2) or Wiegand output (encrypted option - S31) / RS485 output (encrypted option - S33) with secure SSCP® v1 and v2 communication protocols, OSDP™ v1 (plain communication) and v2 (SCP secure communication) Compatible with EasySecure interface
Touchscreen	Color touchscreen - 2.8" - 240 x 320 pixels 12 keys - Standard or random (scramble pad) keypad function / Functions: Card AND Key / Card OR Key Configurable by card (standard or virtual with STid Settings application), UHF technology or software according to the interface
Reading distances**	Up to 4 cm / 1.57" 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 indicators	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 SSCP® / OSDP™ command according to the interface
Power requirement	Max 220 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)	128 x 80 x 30.5 mm / 5.04" x 3.15" x 1.2" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 20°C to + 70°C / - 4°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: 5 - 90%
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 FC UL_EU c UL_us~	CE (Europe), FCC (USA), IC (Canada) and UL
Part numbers y: casing color (1: black - 2: white)	Secure read only - TTL...ARCS-R31-C/BT1-xx/y Secure read only / Secure Plus - TTL...ARCS-S31-C/BT1-xx/y Secure read only - RS485..ARCS-R33-C/BT1-7AB/y Secure read only / EasySecure interface - RS485...ARCS-R33-C/BT1-7AA/y Secure read only / Secure Plus - RS485..ARCS-S33-C/BT1-7AB/y Secure read only / Secure Plus / EasySecure interface - RS485..ARCS-S33-C/BT1-7AA/y Controlled by SSCP® v1 protocol - RS485..ARCS-W33-C/BT1-7AA/y Controlled by SSCP® v2 protocol - RS485..ARCS-W33-C/BT1-7AD/y Controlled by OSDP™ v1 & v2 protocol - RS485..ARCS-W33-C/BT1-7OS/y

DISCOVER THE COMPANION PRODUCTS

Bluetooth® & NFC smartphones / smartwatches using STid Mobile ID® application
13.56 MHz or dual frequency
ISO cards & key holders

Privacy filter
ANTI-SPY-ARC

SECARD
SECard configuration kit and SSCP® v1 & v2 and OSDP™ protocols

STid Mobile ID® Online Portal
Web platform for remote management of your virtual cards

*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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