STid
Electronic Identification

ARCHITECT BLUE

SCALABLE CAPACITIVE KEYPAD READER
SMARTPHONES & RFID CARD

13.56 MHz | Bluetooth® | Read only | Read | Write | TTL RS485 | EAL5+ | IK08 | Resistant

9 Awards

COMPATIBILITY

OSDP
SSCP

- Bluetooth® & NFC smartphones
- STid Mobile ID® Ecosystem
- MIFARE® credentials
- SECard software
- SSCP / OSDP™ protocols

LET YOUR IMAGINATION FLOW

PRINTING OF YOUR LOGO
using digital UV
or pad printing

Customization
of the multicolor LEDs
(RGB, 360 colors)

Casing color choice

Latest customization technology named Skin effect

CERTIFICATIONS

CE FC UL EU c UL us

MOBILE ACCESS KEYPAD READER

Compliant with all access control systems, the Architect® Blue vandal proof capacitive keypad reader identifies mobile phones thanks to many Prox or handsfree identification modes.
It can work alongside or replace traditional RFID access cards.

EASY MANAGEMENT OF A MULTI-FACTOR IDENTIFICATION

Both reader and keypad, it allows a dual-authentication by combining card and PIN code identifications. Thanks to its various operating modes (card AND key or card OR key), you can use the keypad to identify people or to activate additional functions (activation of the intrusion alarm...).

NXP MIFARE Bluetooth® NFC

INSTINCTIVE ACCESS CONTROL

Your smartphone becomes your access key by eliminating the constraints of traditional access control. Choose your favorite identification mode and make your access options both secure and much more instinctive!

Card Mode
Place your smartphone in front of the reader as a standard card.

Slide Mode
Your smartphone turns your hand into a badge you have with you at all times.

Remote Mode
Activate remote control mode to remotely check your access points.

Tap Tap Mode
Tap your smartphone twice in your pocket for close or remote access.

Hands-free Mode
Just walk past the reader! There's nothing else to it!

WELCOME TO HIGH SECURITY

The reader uses the latest MIFARE® DESFire® EV2 contactless chip technologies with new data security mechanisms:

- **Secure Messaging EV2:** secure transaction method based on AES-128 with protection against interleaving and replay attacks.
- **Proximity Check:** improved protection against relay attacks.

All public encryption algorithms can be used (3DES, AES, RSA, SHA, etc.), and it uses an EAL5+ crypto processor to improve data protection and privacy.

STANDING THE TEST OF TIME

Thanks to the capacitive technology, the keypad is sealed and protected from the accumulation of dirt. It also prevents the premature mechanical wear of keys, common on conventional keypads available on the market.
The reader's IK08 certified vandal-proof structure has been optimized to resist knocks and malicious acts. It is designed to withstand harsh environments (IP65 level excluding connectivity): dust, heavy rain, frost, etc.

SPECIFICATIONS

Operating frequency/Standards	13.56 MHz : ISO14443A types A & B, ISO18092 Bluetooth®
Chip compatibility	MIFARE® Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® (S/X) & Plus® EV1, MIFARE® DESFire® 256, EV1 & EV2, CPS3, NFC (HCE), PicoPass® (CSN only), iCLASS™ (CSN only*) STid Mobile ID® (NFC & Bluetooth® virtual card), Orange Pack ID
Functions	Read only: CSN or private ID (sector/file) / Secure Protocol (Secure Plus) / Secure Read Write
Communication interfaces & protocols	TTL protocol Data Clock (ISO2) or Wiegand (ciphered mode S31) / RS485 (ciphered mode S33) with secure communication protocols SSCP & SSCP2 ; OSDP™ V1 (plain communication) & V2 (SCP secure communication)
Decoder compatibility	Compatible with EasySecure interface
Keypad	Sensitive / capacitive keypad - 12 backlit keys - Functions: Card AND Key / Card OR Key Configuration by card (standard or virtual with STid Settings application), software or UHF technology according to the interface
Reading distances**	Up to 6 cm / 2.36" 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 with STid Settings application), software, external command (0V) or UHF technology according to the interface
Audio indicator	Internal buzzer with adjustable intensity Configuration by card (standard or virtual with STid Settings application), software, external command (0V) or UHF technology according to the interface
Relay	Automatic tamper detection management or SSCP / OSDP™ command according to the interface
Power requirement / Power supply	180 mA/12 VDC max / 7 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)	106.6 x 80 x 25.7 mm / 4.21" x 3.15" x 1.02" (general tolerance following ISO NFT 58-000 standard)
Operating temperatures	- 30°C to + 70°C / - 22°F to + 158°F / Humidity: 0 - 95%
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) Reinforced vandal-proof structure IK08 certified
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, FCC and UL
Part numbers y: case color (1: black - 2: white)	Secure read only - TTL ..... ARCS-R31-B/BT1-xx/y Secure read only / Secure Plus - TTL ..... ARCS-S31-B/BT1-xx/y Secure read only - RS485 ..... ARCS-R33-B/BT1-7AB/y Secure read only EAL5+ / EasySecure - RS485 ..... ARCS-R33-B/BT1-7AA/y Secure read only EAL5+ / Secure Plus - RS485 ..... ARCS-S33-B/BT1-7AB/y Secure read only EAL5+ / Secure Plus / EasySecure - RS485 ..... ARCS-S33-B/BT1-7AA/y Secure read write SSCP - RS485 ..... ARCS-W33-B/BT1-7AA/y Secure read write SSCP2 compliant CSPN - RS485 ..... ARCS-W33-B/BT1-7AD/y Secure read write OSDP™ - RS485 ..... ARCS-W33-B/BT1-7OS/y

DISCOVER OUR CREDENTIALS...

13.56 MHz or dual frenquency ISO cards & key holders

Bluetooth® & NFC smartphones using STid Mobile ID® application

...AND OUR ERGONOMIC MANAGEMENT TOOLS

SECard configuration kit and SSCP, SSCP2 & OSDP™ protocols

Web platform for remote management of your virtual badges

*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, temperatures, power supply voltage and reading functions (secure reading). External interferences can lead to shorter distances.

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