STid
Electronic Identification

ARCHITECT BLUE

MULTI-TECHNOLOGY DESKTOP READER
WITH KEYBOARD EMULATION

COMPATIBILITY

- ISO14443 types A & B
- MIFARE® credentials
- Bluetooth® & NFC smartphones
- STid Mobile ID®
- SECard software

LET YOUR IMAGINATION FLOW

Customization of the multicolor LEDs (RGB, 360 colors)

PRINTING OF YOUR LOGO using digital UV or pad printing

"Skin effect" new customization technology

8 Awards

13.56 MHz | Bluetooth® | Read only | Resistant | IK10 | EAL5+ | USB | WEDGE

CERTIFICATIONS

CE FC

MULTI-TECHNOLOGY WEDGE DESKTOP READER

Easily connect your multi-technology reader to your computers, printers or other business applications, and benefit from the advantages of a USB WEDGE output. This user interface emulates a keyboard, without having to install any third-party software.

WELCOME TO HIGH SECURITY

The Architect® Blue WEDGE 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, etc.), which are recommended by official data security agencies (such as the French national agency ANSSI). It uses an EAL5+ crypto processor to improve data protection and privacy.

A SMART KEYBOARD EMULATION TOOL

The keyboard interface functionality enables users to retrieve credential data (from cards, key holders, wristbands, etc.) and to transfer it to any application by emulating the key sequence. It avoids manual entry of the data on the card in an application.

The data structures and output formats can be entirely configured: keyboard layout (AZERTY by default), keys, timing, etc.

MULTI-TECHNOLOGY IDENTIFICATION

The Architect® Blue WEDGE reader simplifies the management of extensions, upgrades and technological migrations. It is interoperable with a broad range of technologies:

- NXP MIFARE® credentials (Classic & Classic EV1, Ultralight® & Ultralight® C, Plus® & Plus® EV1, DESFire® 256, EV1 & EV2),
- French ministerial cards (AGENT, CIMS, etc.) and civil aviation cards (STITCH),
- CPS3 health care cards (IAS protocol),
- Virtual cards stored on Bluetooth® and NFC smartphones.

SECURE ACCESS TO YOUR BUSINESS APPLICATIONS

Workstations

Printers / photocopiers

Coffee machines / vending machines

Other OEM applications

NXP MIFARE Bluetooth® NFC

www.stid-security.com

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® & Plus® EV1, MIFARE® DESFire® 256, EV1 & EV2, NFC (HCE), SMART MX, CPS3, PicoPass® (CSN only), iCLASS™ (CSN only)* STid Mobile ID® (virtual card), Orange Pack ID
Functions	Read only: CSN or private ID (sector/file)
Interface & connection technology	USB 2.0 - 1.5 m / 3.28 ft cable
WEDGE keyboard emulation parameters	Default configuration: • French AZERTY keyboard • VID: 0x1FC9 / PID: 0x4189 • Use of the numerical keypad / Display in uppercase and every 20 ms / Carriage return at the end of an ID • Release before pressing the key: deactivated / Frame start and end characters: deactivated Specific configurations on demand
Reading distances**	Up to 8 cm / 3.15" with a MIFARE® DESFire® EV2 card Up to 20 m / 65.6 ft with a Bluetooth® smartphone (adjustable distances on each reader)
Data protection	Oui - Crypto processeur EAL5+ pour stockage sécurisé des données
Integrated UHF chip	Yes - EAL5+ secure data storage with certified crypto processor
Light indicator	2 RGB LEDs - 360 colors Configuration by RFID card or UHF technology
Audio indicator	Internal buzzer with adjustable intensity Configuration by card or UHF technology
Power supply	Power supply through the USB port
Material	ABS-PC UL-V0 (black)
Dimensions (h x w x d)	106.6 x 80 x 25.7 mm / 4.19" x 3.15" 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) and/or message to the controller
Protection / Resistance	IP65 Level - Weather-resistant with waterproof electronics (CEI NF EN 61086 homologation) Reinforced vandal-proof structure IK10 certified
Certifications	CE & FCC
Part numbers	Standard version.....ARCS-R35-H/BT1-5AB/1 Version with specific configuration.....ARCS-R35-H/BT1-XX/1

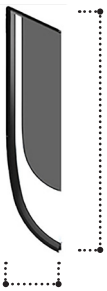
ISO cards & key holders
13.56 MHz or dual-frequency

Bluetooth® & NFC smartphones
using STid Mobile ID® application

SECard configuration kit

STid Mobile ID® Online Portal
Web platform for remote management
of your virtual cards
(users and configuration)

80 mm / 3.15"



25.7 mm / 0.98"

*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 antenna configuration, type of identifier, operating environment of the reader, temperatures, power supply voltage and reading functions (secure reading or not). External interferences can lead to shorter distances.

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