STid
Electronic Identification

ARCHITECT®

HIGH-SECURITY DESKTOP READER
WITH KEYBOARD EMULATION

COMPATIBILITY

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

13.56 MHz | Read only | Resistant | IK10

USB | WEDGE | EAL5+

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

CERTIFICATIONS

CE FC

WEDGE DESKTOP READER

Easily connect your 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.

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.

WELCOME TO HIGH SECURITY

The Architect® 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...), which are recommended by official data security agencies (such as the French national agency ANSSI).

EASY INTEGRATION

The WEDGE reader is independent from the application and the operating system and does not require any drivers or third-party software to be installed, guaranteeing optimal operation in any computing environment.

SECURE ACCESS TO YOUR BUSINESS APPLICATIONS

Workstations

Printers / photocopiers

Coffee machines / vending machines

Other OEM applications

www.stid-security.com

SPECIFICATIONS

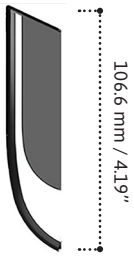
Model	ARC-H	ARCS-H EAL 5+
Operating frequency/Standards	13.56 MHz: ISO14443A types A & B, ISO18092	
Chip compatibility	MIFARE Ultralight® & Ultralight® C, MIFARE® Classic & Classic EV1, MIFARE Plus® & Plus® EV1, MIFARE® DESFire® 256, EV1 & EV2, NFC (HCE), SMART MX, CPS3, PicoPass® (CSN only), iCLASS™ (CSN only)*	
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® Classic EV1 card or a MIFARE DESFire® EV2 card	
Data protection	Yes	Yes - EAL5+ secure data storage with certified crypto processor
Integrated UHF chip	EPC 1 Gen 2 for contactless reader configuration (protocols, LEDs, buzzer...)	
Light indicator	2 RGB LEDs - 360 colors Configuration by RFID card or UHF technology	
Audio indicator	Internal buzzer Configuration by card or UHF technology	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.....ARC-R35-H/PH5-5AB/1 Version with specific configuration.....ARC-R35-H/PH5-XX/1	Standard version.....ARCS-R35-H/PH5-5AB/1 Version with specific configuration.....ARCS-R35-H/PH5-XX/1

ISO cards & key holders
13.56 MHz or dual-frequency

STid Mobile ID® application
with NFC

SECARD configuration kit

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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