MINI MULLION RFID CARD READER
FOR HIGH-SECURITY ACCESS CONTROL

COMPATIBILITY
• MIFARE® credentials
• NFC smartphones
• SECard software
• OSDP®/SSCP protocols
• Transparent Mode (ANSSI)

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EASY TO INSTALL
The Architect® One is a mullion RFID reader specially designed for installation in small spaces, for example on door frames or narrow flushbox mounting, etc.

Its small size and intelligent design make it easy to incorporate into any installation environment with no spacer required (included on metal). The plug-in/plug-out connector cable and the round mounting holes make the installation easier.

SECURE ACCESS MULLION READER
The Architect® One is the most compact secure RFID MIFARE® DESFire® EV2 card reader and NFC smartphones - designed to be installed on a narrow profile with ease.

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

LET YOUR IMAGINATION FLOW

CERTIFICATIONS

STANDING THE TEST OF TIME
The reader’s IK10 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.

LET YOUR IMAGINATION FLOW

PRINTING OF YOUR LOGO
using digital UV or pad printing

“Skin effect” new customization technology

CUSTOMIZATION OF THE MULTICOLOR LEDS (RGB, 360 COLORS)

BEST MARKET SELF-PROTECTION
The patented tamper protection system protects sensitive data and gives the possibility to delete the sensitive data. Unlike the current solutions on the market, the reliability of the accelerometer based technology avoids it being outsmarted.

www.stid-security.com
**MINI MULLION RFID CARD READER**
FOR HIGH-SECURITY ACCESS CONTROL

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Operating frequency/Standards</th>
<th>13.56 MHz. ISO14443 types A &amp; B, ISO18092</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip compatibility</td>
<td>MIFARE® Ultralight® &amp; Ultralight®; MIFARE® Classic &amp; Classic EV1, MIFARE® Plus® (S/X) &amp; Plus® EV1, MIFARE® DESFire® 256, EV1 &amp; EV2, CP33, NFC (HCE), Picopass® (CSN only), iCLASS® (CSN only)</td>
</tr>
<tr>
<td>Functions</td>
<td>103: read only CSN serial number (UID) PH1: secure read only of the MIFARE® Classic chip sector and CSN of the other chips PC1: preconfigured read only PHS: secure read-only (file, sector) and secure protocol (Secure Plus) / secure read write</td>
</tr>
<tr>
<td>Communication interfaces &amp; protocols</td>
<td>TTL: Data Clock (ISO2) 32, 40 bits, etc. / Wiegand 26, 32, 34, 36, 37, 40, 44, 64 bits, etc. (ciphered mode - S31) RS485 (ciphered mode - S33) with secure communication protocols SSCP &amp; SSCP2 ; OSDP™ V1 (plain communication) &amp; V2 (SCP secure communication)</td>
</tr>
<tr>
<td>Reading distances**</td>
<td>Up to 6 cm / 2.36&quot; with a MIFARE® DESFire® EV2 or Classic card</td>
</tr>
<tr>
<td>Light indicator</td>
<td>2 RGB LEDs - 360 colors Configuration by RFID card, software, external command (ÖV) according to the interface</td>
</tr>
<tr>
<td>Audio indicator</td>
<td>Internal buzzer with adjustable intensity Configuration by RFID card, software, external command (ÖV) according to the interface</td>
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<tr>
<td>Power requirement / Power supply</td>
<td>130 mA/12 VDC Max / 9 VDC to 15 VDC</td>
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<tr>
<td>Connections</td>
<td>2 versions: A: 3 m rugged cable outlet / B: 3 m plug-in/plug-out connector cable</td>
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<tr>
<td>Material</td>
<td>ABS-PC UL-V0 (black) / ASA-PC-UL-V0 UV (white)</td>
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<tr>
<td>Dimensions (h x w x d)</td>
<td>111.5 x 42.2 x 22 mm / 4.33&quot; x 1.65&quot; x 0.87&quot; (general tolerance following ISO NFT 58-000 standard)</td>
</tr>
<tr>
<td>Operating temperatures</td>
<td>-30°C to +70°C / -22°F to +158°F / Humidity: 0 - 95%</td>
</tr>
<tr>
<td>Tamper switch</td>
<td>Accelerometer-based tamper detection system with key deletion option (patented solution) and/or message to the controller</td>
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<tr>
<td>Protection / Resistance</td>
<td>IP65 Level excluding connector - Weather-resistant with waterproof electronics compliant with CEI NF EN 61086 standard Reinforced vandal-proof structure IK10 certified</td>
</tr>
<tr>
<td>Mounting</td>
<td>Wall mount, door frame mount or European mullion flush boxes mount (drilling 32 mm x 2) Compatible with any surfaces and metal walls without spacer</td>
</tr>
<tr>
<td>Certifications</td>
<td>CE, FCC &amp; UL</td>
</tr>
</tbody>
</table>
| **Part numbers**              | **CSN** - **TTL** ........................................... **ARC1-R31-x/103-xx/y**
|                              | Secure MIFARE® Classic - **TTL** ...................... **ARC1-R31-x/PH1-xx/y**
|                              | Pre-configured - **TTL** .................................. **ARC1-R31-x/PC1-xx/y**
|                              | Secure - **TTL** .......................................... **ARC1-R31-x/PHS-xx/y**
|                              | Secure - Secure Plus - **TTL** ........................ **ARC1-S31-x/PHS-xx/y**
|                              | Secure - **RS485** ....................................... **ARC1-R33-x/PHS-7A/y**
|                              | Secure - EasySecure - **RS485** ....................... **ARC1-R33-x/PHS-7A/y**
|                              | Secure - Secure Plus - EasySecure - **RS485** ..... **ARC1-S33-x/PHS-7B/y**
|                              | Secure - EasyRemote - **RS485** ........................ **ARC1-R33-x/PHS-7B/y**
|                              | **CSN** - **OSDP™** - **RS485** ........................ **ARC1-W33-x/PHS-70S/y**
|                              | Secure - **SSCP** - **RS485** .......................... **ARC1-W33-x/PHS-70A/y**
|                              | Secure - **RS485** - **RemoteSecure** ............... **ARC1-W33-x/PHS-78B/y**
|                              | Secure - **RS485** - **RemoteSecure addressable** ... **ARC1-W33-x/PHS-78C/y**
|                              | Secure - **SSCP** - v2 - **CSPP compliant** - **RS485** **ARC1-W33-x/PHS-7A/y**
|                              | Secure - **SSCP** - v2 - **CSPP compliant** - **RS485** **ARC1-W33-x/PHS-78B/y**
|                              | Secure - **SSCP** - v2 - **CSPP compliant** - **RS485** **ARC1-W33-x/PHS-78C/y**
|                              | Secure - **SSCP** - v3 - **CSPP compliant** - **RS485** **ARC1-W33-x/PHS-70S/y**
|                              | Secure - **SSCP** - v3 - **CSPP compliant** - **RS485** **ARC1-W33-x/PHS-70A/y**

### DISCOVER OUR CREDENTIALS...

13.56 MHz ISO cards & key holders

NFC smartphones using STid Mobile ID® application

**DISCOVER OUR CREDENTIALS...**

13.56 MHz ISO cards & key holders

NFC smartphones using STid Mobile ID® application

**AND OUR ACCESSORIES**

Decorative plate / Shield / TBLock / Spacers / Decoders...

SECcard configuration kit and SSCP, SSCP2 & OSDP™ protocols

*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 disturbances can cause the reading distances to decrease.

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