

## Card reader

### General features

- **Upgradeable reader**  
Integrated features that can be natively activated on demand: dematerialized access, customized configurations...
- **Extended compatibility**  
Support for ISO14443 & 15693-compliant identification platforms.
- **Dematerialized access**  
Via LINEGUARD Access application (*BLE*) or Apple & Google wallets.
- **Advanced customization**  
LEDs (*matrix & line*) and buzzer fully configurable on LINEGUARD Studio.
- **Interoperable reader**  
Integration of all protocols and technologies in a single reference.
- **Enhanced safety**  
Available in transparent mode and compliant with ANSSI (*CSPN*) recommendations.
- **Eco mode**  
Automatic detection of users via radar for optimized sleep & wake-up times.



### Unique readers made in France

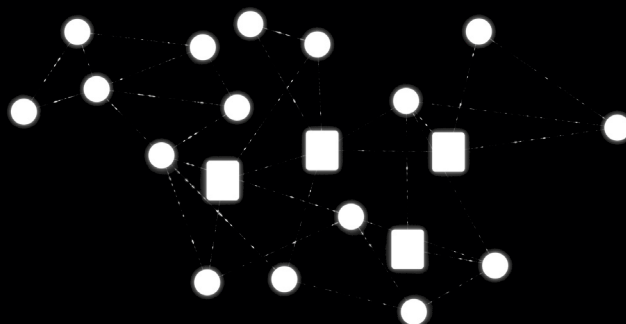


### Interoperable readers for all access control systems

LINEGUARD is a single reader reference, no matter the protocol. Each device integrates two technologies:

- TTL (*Wiegand*),
- RS485 (*OSDP or SSCP*).

A single solution for extended compatibility.



### Combining innovation with sustainable design

|                                                                                                                                                      |                                                                                                                                                                       |                                                                                                                                             |                                                                                                                                                      |                                                                                                                                                        |                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>100% made in France</b><br/>at our site in Cholet (49)</p> |  <p><b>ISO 14001</b><br/>certified for more environmentally conscious products</p> |  <p><b>Eco mode</b><br/>to reduce energy consumption</p> |  <p><b>High repairability index</b><br/>for greater longevity</p> |  <p><b>Short supply chains</b><br/>through local partnerships</p> |  <p><b>Recyclability</b><br/>for a smaller environmental footprint</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Technical specifications Line Ultra Touch

|                                                |                                                                                                                                                                                                 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Technology</b>                              | CSN and secure random technology with diversified keys: MIFARE Classic®, MIFARE® DESFire® EV1, EV2, EV3   CSN: MIFARE Plus®, MIFARE Ultralight®, iClass (CSN)   BLE: LiNEGUARD Access   NFC.    |
| <b>Protocols/Output</b>                        | Wiegand (up to 8 wires: 2 power + 2 data + 2 LED + 1 buzzer + 1 tamper): 26, 30, 32, 34, 40, 44, 56, 58 Bits   OSDP V2 (transparent mode available), SSCP, SPAC (2 power wires + 2 data wires). |
| <b>Reading distance</b>                        | 4 cm RFID   25 meters Bluetooth.                                                                                                                                                                |
| <b>LED indicator</b>                           | Guide x6 LED - 255 built-in colors with configurable intensity and light sequences.                                                                                                             |
| <b>Sound indicator</b>                         | Integrated buzzer with configurable intensity and sound sequences.                                                                                                                              |
| <b>Cybersecurity</b>                           | Software protection and EAL6+ crypto processor for secure key storage.                                                                                                                          |
| <b>Consummation</b>                            | Less than 200 mA in standby mode   Less than 500 mA during reading.                                                                                                                             |
| <b>Connectivity</b>                            | Detachable terminal block.                                                                                                                                                                      |
| <b>Materials</b>                               | Front panel: ABS/PC+PC   Backplate: PA (6650 GF)   Baseplate: PPH (30 GF) + Brass TPE   UV-treated.                                                                                             |
| <b>Dimensions/Weight</b>                       | 99,8 x 79,8 x 23.5 mm   153 g/ 5,39 oz.                                                                                                                                                         |
| <b>Operating temperature</b>                   | From -40°C to +60°C   From -40°F to +140°F.                                                                                                                                                     |
| <b>Self-protection and Pull-out resistance</b> | Anti-tamper sensor   Key deletion and notification to the UTL (SSCP, OSDP).                                                                                                                     |
| <b>Protection/Resistance</b>                   | IK10 and IP65.                                                                                                                                                                                  |
| <b>Mounting</b>                                | Surface-mounted   Electrical boxes/standard flush-mounting boxes: 60 mm center-to-center distance.                                                                                              |
| <b>Certifications</b>                          | CE (Europe).                                                                                                                                                                                    |
| <b>Accessories</b>                             | Standard spacer   Spacer with 40° angle for orientation.                                                                                                                                        |

## A single reference regardless of protocol or mode of use

| Mode          | Features                                                                                                                        | References                                                                                                                                                                                                           | Designations   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>PRESET</b> | Reading of the CSN ( <i>Card Serial Number</i> ) of the badge.                                                                  | LI-020-280                                                                                                                                                                                                           | LLUT\2TT\C2EVO |
| <b>CUSTOM</b> | 100% customization of the reader configuration in LiNEGUARD Studio.                                                             | LI-020-280 + evo card for mode activation: <ul style="list-style-type: none"> <li>• 1 reader FD-010-217</li> <li>• 5 readers FD-010-219</li> <li>• 10 readers FD-010-221</li> <li>• 20 readers FD-010-223</li> </ul> | LLUT\2TT\C3EVO |
| <b>MOBILE</b> | Activation of native functionalities enabling the use of dematerialized identification credentials ( <i>BLE &amp; wallet</i> ). | LI-020-280 + evo card for mode activation: <ul style="list-style-type: none"> <li>• 1 reader FD-010-218</li> <li>• 5 readers FD-010-220</li> <li>• 10 readers FD-010-222</li> <li>• 20 readers FD-010-224</li> </ul> | LLUT\2TT\C4EVO |
| <b>FULL</b>   | Activation of identification ( <i>BLE &amp; NFC</i> ) & activation player customisation ( <i>CUSTOM + MOBILE</i> ).             | LI-020-280 + evo card for mode activation: <ul style="list-style-type: none"> <li>• 1 reader FD-010-246</li> <li>• 5 readers FD-010-247</li> <li>• 10 readers FD-010-248</li> <li>• 20 readers FD-010-249</li> </ul> | LLUT\2TT\C5EVO |