

## Card reader with keypad

### 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



Line Ultra  
Prox



Line Nano  
Prox



Matrix Ultra  
Prox



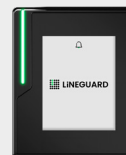
Matrix Nano  
Keypad



Line Ultra  
Keypad



Line Nano  
Keypad



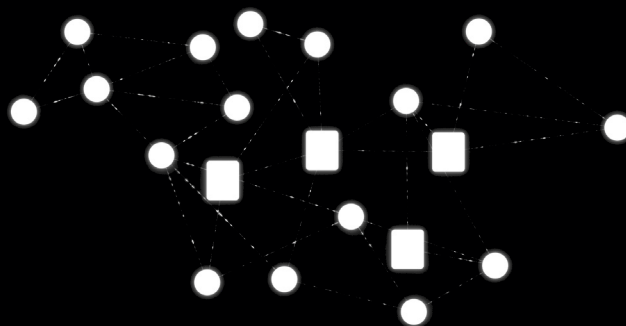
Line Ultra  
Touch

### 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



**100% made in France**  
at our site  
in Cholet (49)



**ISO 14001**  
certified for more  
environmentally  
conscious  
products



**Eco mode**  
to reduce energy  
consumption



**High repairability  
index**  
for greater  
longevity



**Short supply  
chains**  
through local  
partnerships



**Recyclability**  
for a smaller  
environmental  
footprint

## Technical specifications Line Ultra Keypad

|                                                |                                                                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 ( <i>jusqu'à 8 fils : 2 fils d'alim + 2 fils data + 2 fils leds + 1 fil buzzer + 1 fil tamper</i> ) : 26, 30, 32, 34, 40, 44, 56, 58 Bits   OSDP V2 ( <i>mode transparent possible</i> ), SSCP, SPAC ( <i>2 fils d'alim + 2 fils data</i> ). |
| <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 100 mA in standby mode   Less than 200 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   Mechanical keyboard.                                                                                                                            |
| <b>Dimensions/Weight</b>                       | 99,8 x 79,8 x 23,5 mm   152 g/ 5.36 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>                   | IK08 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.                                                                                                                                                                                             |
| <b>Keypad</b>                                  | Mechanical (for restricted environments) with activatable/deactivatable backlighting.                                                                                                                                                                |

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

| Mode          | Features                                                                                                                        | References                                                                                                                                          | Designations  |
|---------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>CSN</b>    | Reading of the CSN ( <i>Card Serial Number</i> ) of the badge.                                                                  | LI-020-273                                                                                                                                          | LMU\2TT\C1EVO |
| <b>PRESET</b> | Ready to operate once wired ( <i>factory reader configuration</i> ).                                                            | LI-020-281                                                                                                                                          | LMU\2TT\C2EVO |
| <b>CUSTOM</b> | 100% customization of the reader configuration in LINEGUARD Studio.                                                             | LI-020-273 + evo card for mode activation:<br>• 1 reader FD-010-217<br>• 5 readers FD-010-219<br>• 10 readers FD-010-221<br>• 20 readers FD-010-223 | LMU\2TT\C3EVO |
| <b>MOBILE</b> | Activation of native functionalities enabling the use of dematerialized identification credentials ( <i>BLE &amp; wallet</i> ). | LI-020-273 + evo card for mode activation:<br>• 1 reader FD-010-218<br>• 5 readers FD-010-220<br>• 10 readers FD-010-222<br>• 20 readers FD-010-224 | LMU\2TT\C4EVO |
| <b>FULL</b>   | Activation of identification ( <i>BLE &amp; NFC</i> ) & activation player customisation ( <i>CUSTOM + MOBILE</i> ).             | LI-020-273 + evo card for mode activation:<br>• 1 reader FD-010-246<br>• 5 readers FD-010-247<br>• 10 readers FD-010-248<br>• 20 readers FD-010-249 | LMU\2TT\C5EVO |

