

## 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

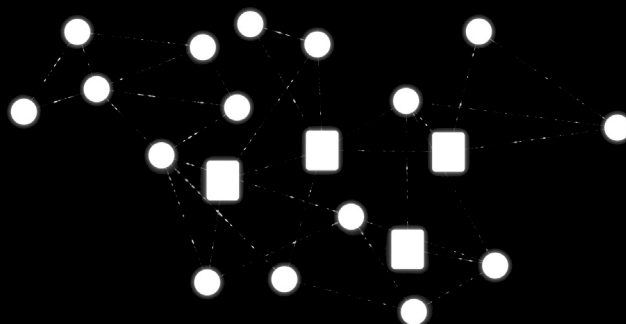


### Interoperable readers for all access control systems







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> at our site in Cholet (49)</p>	 <p><b>ISO 14001</b> certified for more environmentally conscious products</p>	 <p><b>Eco mode</b> to reduce energy consumption</p>	 <p><b>High repairability index</b> for greater longevity</p>	 <p><b>Short supply chains</b> through local partnerships</p>	 <p><b>Recyclability</b> 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>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</b>	99.8 x 79.8 x 23.5 mm.
<b>Operating temperature</b>	From -30°C to +40°C   From -22°F to +104°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), FCC (USA), IC (Canada) and UL.
<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 (Card Serial Number) of the badge.	LI-020-281	LLUK\2TT\C2EVO
<b>Custom</b>	Ready to operate once wired (factory reader configuration).	LI-020-280 + evo card for mode activation: • 1 reader FD-010-217 • 5 readers FD-010-219 • 10 readers FD-010-221 • 20 readers FD-010-223	LLUT\2TT\C3EVO
<b>Mobile</b>	100% customization of the reader configuration in LINEGUARD Studio.	LI-020-280 + evo card for mode activation: • 1 reader FD-010-218 • 5 readers FD-010-220 • 10 readers FD-010-222 • 20 readers FD-010-224	LLUT\2TT\C4EVO