

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

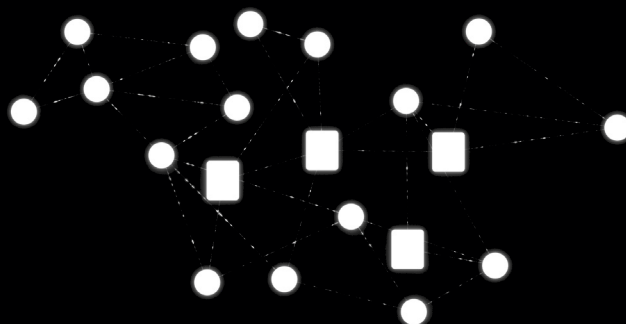


Interoperable readers for all access control systems

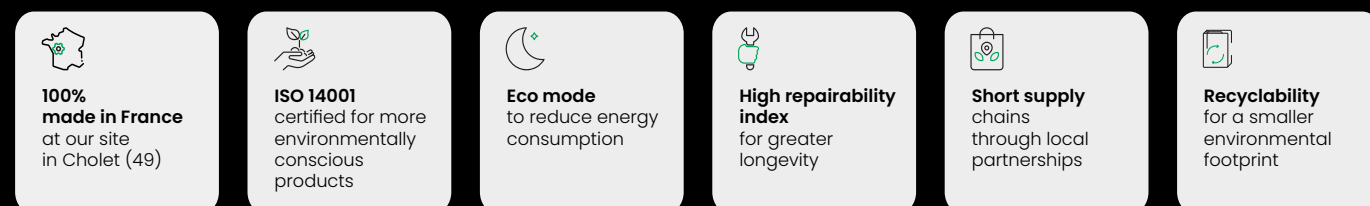
LINEGUARD is a single reader reference, no matter the protocol. Each device integrates two technologies:

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

A single solution for extended compatibility.



Combining innovation with sustainable design



Technical specifications Matrix Ultra Prox

Technology	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.
Protocols/Output	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).
Reading distance	4 cm RFID 25 meters Bluetooth.
LED indicator	Matrix x25 LED - 255 built-in colors with configurable intensity and light sequences.
Sound indicator	Integrated buzzer with configurable intensity and sound sequences.
Cybersecurity	Software protection and EAL6+ crypto processor for secure key storage.
Consummation	Less than 100 mA in standby mode Less than 200 mA during reading.
Connectivity	Detachable terminal block.
Materials	Front panel: ABS/PC+PC Backplate: PA (6650 GF) Baseplate: PPH (30 GF) + Brass TPE UV-treated.
Dimension/Poids	99,8 x 79,8 x 23.5 mm 128 g/ 4.51 oz.
Operating temperature	From -40°C to +60°C From -40°F to +140°F.
Self-protection and Pull-out resistance	Anti-tamper sensor Key deletion and notification to the UTL (SSCP, OSDP).
Protection/Resistance	IK10 and IP65.
Mounting	Surface-mounted Electrical boxes/standard flush-mounting boxes: 60 mm center-to-center distance.
Certifications	CE (Europe).
Accessories	Standard spacer Spacer with 40° angle for orientation.

A single reference regardless of protocol or mode of use

Mode	Features	References	Designations
CSN	Reading of the CSN (<i>Card Serial Number</i>) of the badge.	LI-020-276	LMU\2TT\C1EVO
PRESET	Ready to operate once wired (<i>factory reader configuration</i>).	LI-020-284	LMU\2TT\C2EVO
CUSTOM	100% customization of the reader configuration in LINEGUARD Studio.	LI-020-276 + 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	LMU\2TT\C3EVO
MOBILE	Activation of native functionalities enabling the use of dematerialized identification credentials (<i>BLE & wallet</i>).	LI-020-276 + 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	LMU\2TT\C4EVO
FULL	Activation of identification (<i>BLE & NFC</i>) & activation player customisation (<i>CUSTOM + MOBILE</i>).	LI-020-276 + evo card for mode activation: • 1 reader FD-010-246 • 5 readers FD-010-247 • 10 readers FD-010-248 • 20 readers FD-010-249	LMU\2TT\C5EVO