LEADER MINI

SINGLE CORE | ETHERNET | PoE

Industria
Spazi Collettivi
Residenziale
Palestre

ALL-IN-ONE SYSTEM FOR REAL-TIME ACCESS CONTROL MANAGEMENT

The LEADER MINI is the "brain" of the system and integrates the database, operating logic and user interface. It is designed to provide users with a basic access control system, allowing **complete management of a single gateway**, whether pedestrian or driveway.

It can be easily updated and remotely assisted, is therefore particularly suitable for operation in geographically distributed installations connected via the Internet

It is equipped with three secondary network interfaces at 100 Mbps, separate from the main one.

Thanks to the integrated web server, the user interface of the device is provided in the form of a web page, allowing complete management from any device (PC or tablet) using a standard browser.

Open system for integration with third-party applications, through special APIs.

The DIN-rail housing facilitates installation and makes it particularly suitable for insertion in electrical panels.

- **Autonomous system (all in one), does not need a dedicated PC**
- **Integrated web-server**
- **Remote support and updates**
- **Easy installation thanks to compatibility with DIN rails**
- **Power supply 12 VDC or PoE**
- **An event on one terminal may result in actions on multiple peripherals**
- **No TCP/IP network required**

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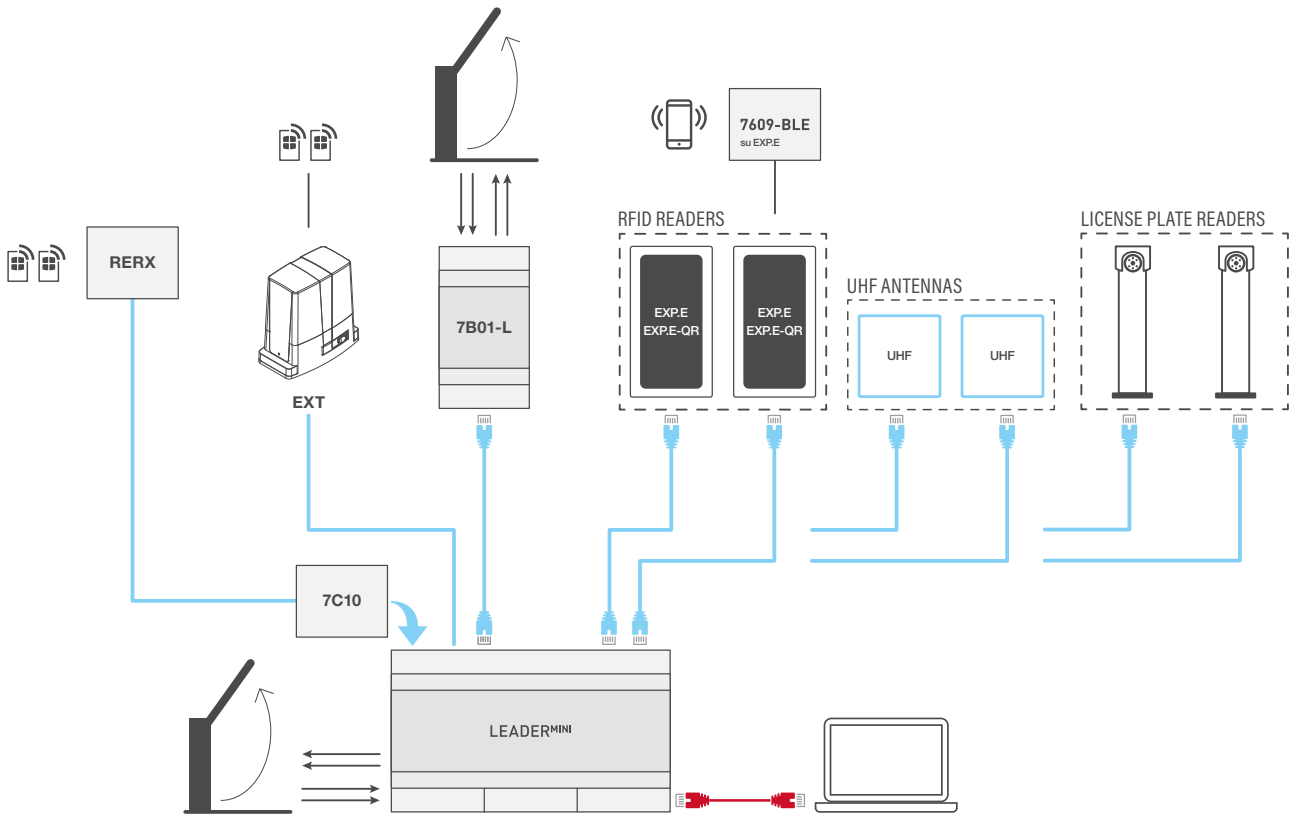
TECHNICAL SPECIFICATIONS

No. max managed terminals	2
No. max managed users	100
Power supply	PoE standard IEEE 802.3.af. 12 Vdc (9 ÷ 23 Vdc) Backup battery (optional with accessory KU-BAT-7508)
Absorption	Average = 200 mA (depends on configuration and setup)
CPU	Freescale™ i.MX6 Family, based on ARM Cortex-A9 processors: i.MX6ULL up to 528 MHz
RAM	256MB DDR3L welded on board
Flash	8GB eMMC welded on board expandable with internal MicroSD (optional connector)
O.S.	File System Linux - YOCTO - Pyro, Kernel Linux var-som-mx6ul 4.9.88
Networking	Main Ethernet 10/100 interface, 3 secondary Ethernet 10/100 interfaces with Passive PoE output compatible with power supply for Experience Ethernet (pin 4 and 5 12 Vdc 0.6 A Max pin 7 and 8 GND max 10m cable)
Interface	2 relay outputs (NO – NC – COM), 2 opto-isolated inputs, EXT serial port TTL expansion for Benincà/Rise/Myone automation connection, internal 232 TTL Debug RS232 TTL, optional (as an alternative to RS232 TTL and to each other): galvanically isolated RS485 (requires accessory 7C10), BLE interface
Signals	LED PowerON and diagnostic and signal LED
Audio	Buzzer
Clock	Internal RTC with dedicated backup battery
Dimensions	DIN enclosure 6 modules for mounting on DIN rail-35 105 x 90 x 60 mm
Weight	185 g
Material	PVC
Color	Grey
Operating temperature	0°C /+70°C



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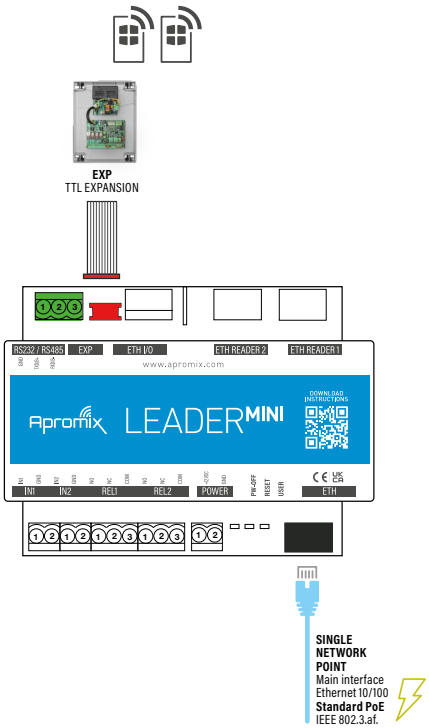
Usage mode

LEADER^{MINI} IS A COMPLETE AND CUSTOMIZED SYSTEM, ABLE TO MEET THE SPECIFIC NEEDS OF EVERY CONTEXT, WHILE OFFERING A SIMPLE AND INTUITIVE USER EXPERIENCE

REMOTE CONTROLS: FLEXIBILITY AND TRACEABILITY

The integration of remote controls into access control systems ensures high flexibility in managing entries.

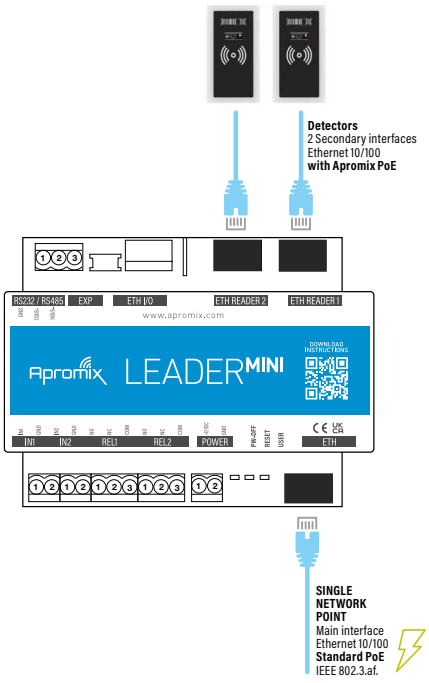
- **Programmable access:** each remote control can be configured to allow access only during specific time slots and days of the week.
- **Access logging:** each use is recorded with date and time, allowing movement monitoring and the generation of detailed reports.



QR CODE: FAST AND SECURE ACCESS FOR VISITORS

QR Codes represent an effective solution for temporary access control, ideal for occasional visitors.

- **Autonomy:** by sending a personalized QR Code via email or messaging services (Whatsapp, Telegram,...), it is possible to allow visitors access independently without the need for staff interaction.
- **Flexibility:** the validity of the QR Code can be limited to a specific period of time or to a specific area of the building.
- **Security:** each QR Code is unique, ensuring traceability of access and greater security control.



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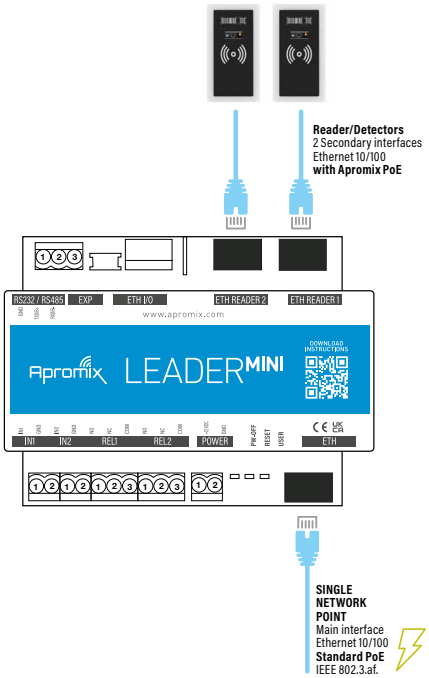
RFID TAG: UNIQUE, VERSATILE AND USER-FRIENDLY IDENTIFICATION

RFID tags (Radio Frequency Identification) are devices that use radio waves to communicate with a reader.

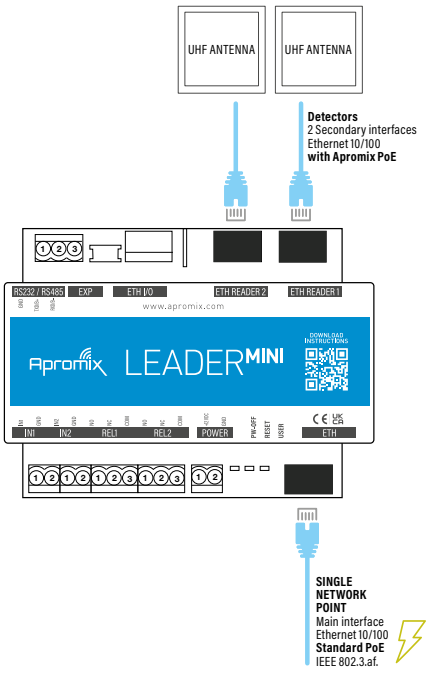
- **Unique identification:** each RFID tag has a unique identification code, making it easily identifiable.
- **Ease of use:** RFID tags are easy to use and carry, thanks to the variety of formats available.
- **Durability:** resistant to harsh environmental conditions, they ensure prolonged durability over time.



UHF TECHNOLOGY: AUTOMATIC ACCESS FOR VEHICLES

UHF technology (Ultra High Frequency) offers a practical and convenient solution for managing vehicle access.

- **"Telepass" mode:** the gate opens automatically when a vehicle equipped with an authorized UHF tag approaches the reader.
- **Economy and practicality:** the tags are small, inexpensive, and easy to install.
- **Autonomy:** they do not require power, as they are powered by the electromagnetic field generated by the reader.
- **Programmable access:** the tags can be configured to allow access only during specific time slots and days of the week.



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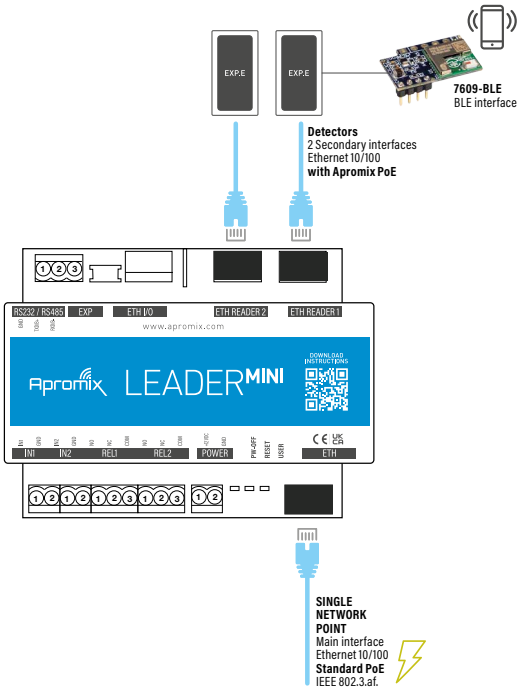
APP AND BLE TECHNOLOGY: SMART AND CUSTOMIZED ACCESS CONTROL

The integration of BLE technology (Bluetooth Low Energy) with a dedicated app allows you to turn your smartphone into a virtual badge.

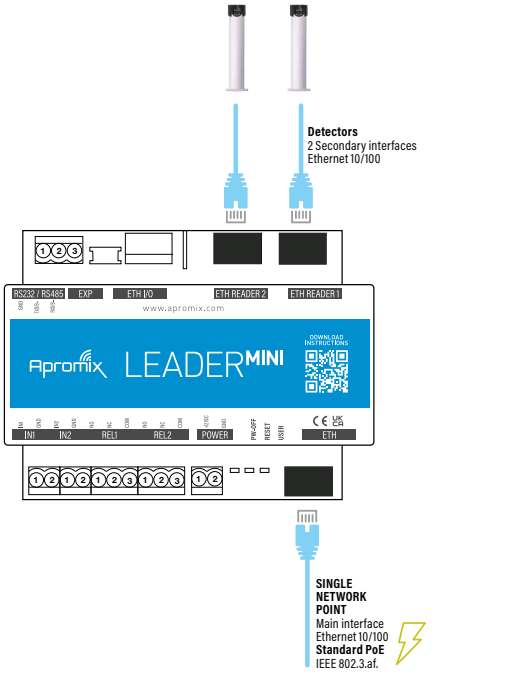
- **Ease of use:** Allows you to open gates and barriers directly from your smartphone, eliminating the need for physical supports.
- **Practicality:** the smartphone is always at hand, and there is no risk of forgetting badges or cards.
- **Security:** BLE communication is encrypted and secure, and does not require an internet connection, ensuring a high level of protection.



LICENSE PLATE READER: EFFICIENT AND AUTOMATED VEHICLE ACCESS CONTROL

Automatic license plate recognition enables efficient management of vehicle access without the need for human intervention.

- **Full automation:** the system is fully automated and does not require staff intervention for managing vehicle access.
- **Efficiency:** the license plate reader can recognize and identify plates quickly and accurately, allowing for a smooth and uninterrupted traffic flow.
- **Security:** the system checks access authorizations in real time, ensuring a high level of security.



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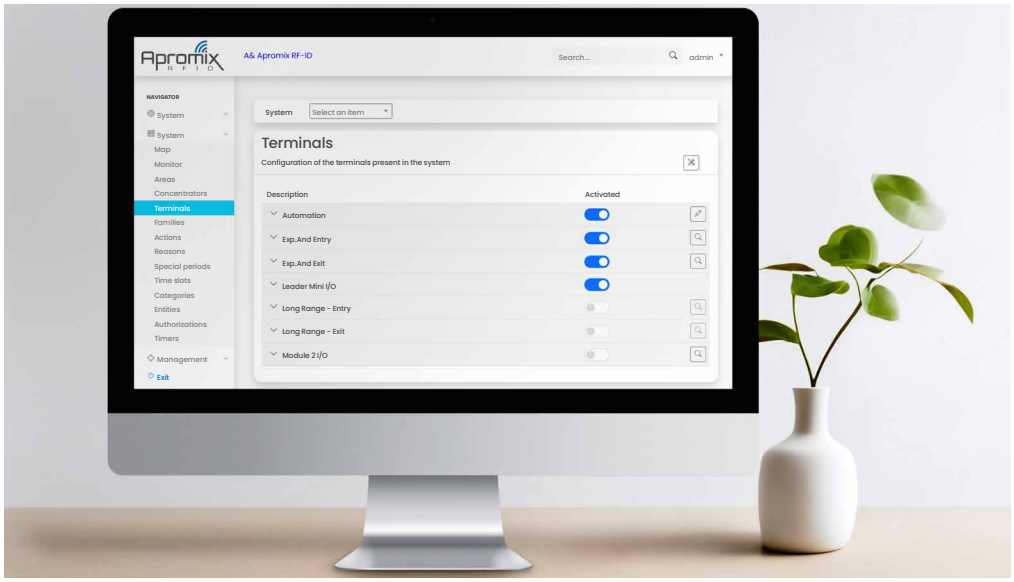

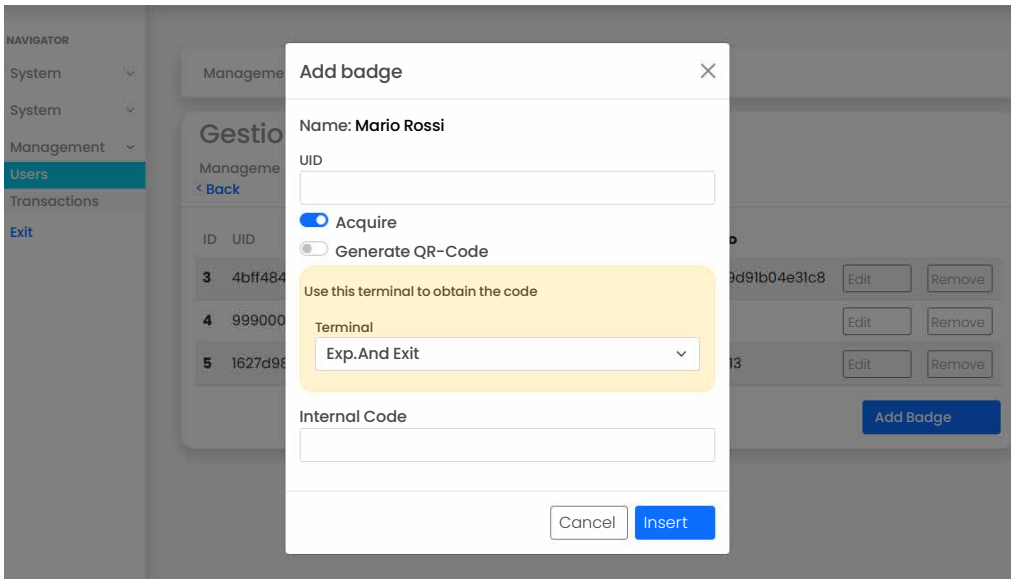

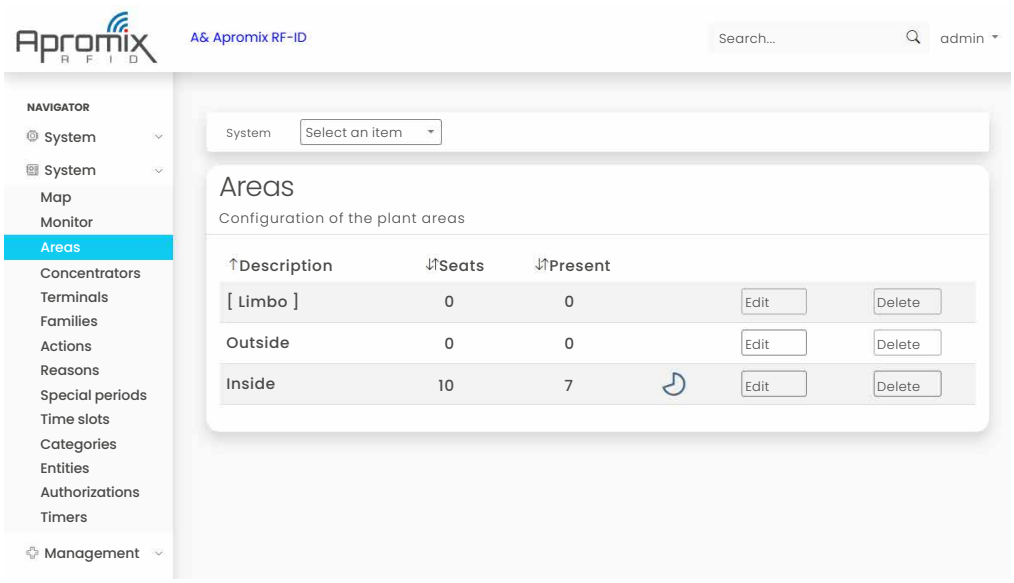

Web interface of the control unit

THE SINGLE-PAGE CONFIGURATION MENU ALLOWS STEP-BY-STEP PROGRAMMING FOR A SIMPLE AND FAST USER EXPERIENCE.

The system comes with a preset basic configuration that can be used to make the installation immediately operational or modified according to the specific needs of the system.

- The connected terminals are detected and configured automatically; manual configuration is always possible in case of special requirements.
- The acquisition of tag codes can also be done using one of the system's readers, so the use of a validator is no longer necessary.
- The number of people present in the area is displayed directly in the Areas session, also in graphical form.
- Possibility of customization with logo insertion by the user.

- Simple and intuitive navigation
- Section dedicated to diagnostics
- Monitor functionality for event viewing

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