Data sheet

Size	18 x 20,5 x 4,5 cm
Case	By default PLA, with the possibility of making it from different materials (PLA + Wood, ABS ...). Different solid or semitransparent colors.
Weight	500 g. approx.
Screen/Keyboard	TFT 7 "Backlit 800X480 pixels 24 bits color 193 x 111 mm Capacitive touchscreen
CPU	64 bits 4 numbers 1.2GHz
RAM	1GB
Memory	32GB expandable
Indicators	Sound activation for indication of correct or erroneous recording. Visual indication of the clockings. Vibration indication pressing the keysboard.
Types of identification (combination also possible if required)	Fingerprint. Personal numbering (Pin). Magnetic card. Proximity card (RFID 125KHz, RFID MIFARE ISO 14443A). Chip card.
Control signals (Access)	Up to 20, usable for activation of relays or other control elements (access control, locks, lathes, barriers) or systems.

Interconnection

Encrypted communications (https).

It allows connecting Ethernet networks with TCP/IP protocol.

Transmission of activities, users and permissions, also of attached information (date, time, serial number terminal).

It allows large loading of data and updates of individual time management records in cases of
TCP/IP communication.

The device allows performing maintenance and updating of the firmware and information processing.

Network RJ45
Wifi
Allows mobile communications (3G, 4G, LTE and M2M)

Date and Time

Constant update with external clocking devices.

Own autonomy maintained in case of power failure.

Automatic summer/winter time change.

The maximum deviation of 5 sg per day in case of absence of synchronization.

Maximum number of users

10,000 users

Capacity authorizations

Access list of 10,000 authorized identifiers (with their corresponding temporal parameterization).

Clocking or event capacity

Locally-stored events of communication failures even in a failure of the power.
Are emptied when the communication permits and confirm that the information has been fully transferred.

Integrity of information	In case of electrical faults, keeps the date and time management by the internal battery. The integrity of the information, clockings, permissions, access intervals and configuration is maintained by having non-volatile memory (Flash memory). The personal data is encrypted in the internal memory.
Power	AC 220-240 V, 50-60 Hz Adaptable to 12 v in case of PoE power
Consumption	Basic 850 mA. Combined with GPRS 1200 mA. Maximum with all activated elements 2600 mA.
Software	The device software is constantly updated and protected against viruses and malware. Remote update in a transparent way to users.
Work temperature	-10 , +45 °C
Communication interface	RTB: V.92/56K Modem (by telephone) 10/100Mbps Ethernet (TCP/IP protocol) GPRS/GSM 84Kbps, EDGE (236.8 Kbps), UMTS (384 Kbps), HSPA + (5.76 Mbps), LTE CAT4 (50Mbps). WI-FI Manual download
Fingerprint Features	Minutes using fingerprint coding algorithm. Identification methods 1:1, 1: N. Check time 1:1 <1sg. Identification time 1: N, n <1sg (10,000 users). FRR 0.1%. FAR 0.001% 2 biometric shots for better recognition.
Menu with different reasons	Adaptable to the needs of the customer. Any types of reasons are stored on the device.
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