adportas

i2M Ethernet LTE

Data gateway
internet based

1. Description.

Adportas i2M Ethernet LTE is a data gateway that allows you to connect industrial equipment with serial data communication ports (RS232 and/or RS485) and equipment based on Internet communication via mobile network or WIFI. Its main uses are remote process monitoring, telemetry and geolocation (through built-in GPS). This complex integrated network communications system was fully programmed, electronically designed and assembled by Adportas' software and hardware departments, thinking of offering a solution with the most efficient cost/benefit ratio possible for our end customers.

Adportas i2M Mini Ethernet LTE is a transparent bridge between the end user and the connected device, as it does not involve an external server to establish communication, allowing direct connection to your private mobile network.

Adportas i2M Mini Ethernet LTE has a web server that allows remote viewing and configuration of connection data (APN, Serial, GPS) in addition to obtaining the location of the device at the requested time. The configuration portal is optimized for mobile phones. (Allows operators to make a more comfortable setup)

Adportas i2M Mini Ethernet LTE allows you to obtain data from the equipment, modify its configuration and even reset the device via text messages (SMS).

2. Specifications.

• Input voltage: 12VDC @ 1A.
• Serial communication: RS232 or RS485 (2400 to 115200 Baud).
• Wireless communication (mobile network): -LTE-TDD: B40 / B66
-LTE-FDD: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B28
-MTS / HSPA +: B1 / B2 / B5 / B8
-GSM / GPRS / EDGE: 850/900/1800 / 1900MH
• Wireless communication (WiFi)
• WLAN Standard: IEEE 802.11 b/g/n
• Mode of operation: AP, STA

• Ethernet communication
-10/100 Base-T Ethernet Controller
-Ethernet IEEE 802-3, 802-2;

• Digital ports: 2 digital inputs 5-12vdc

• Serial operation selector as RS232 / Rs485.
• Dual SMA connector for external 4G antenna. (Diversity, dual radio circuit)
• Number of supported SimCards: 2
• SimCard Format: Mini SIM (2FF).
• Configuration: via micro USB type B (USB 2.0)

• LED indicators:
- Power: indicates that the equipment is turned on.
- Status: indicates whether or not you are connected to the network.
- Serial: indicates if there is activity on the serial communication bus (RS232 and/or Rs485).

• Operating temperature: -15°C to 85°C.

• Installation Type: Wall Mount with DinClip.

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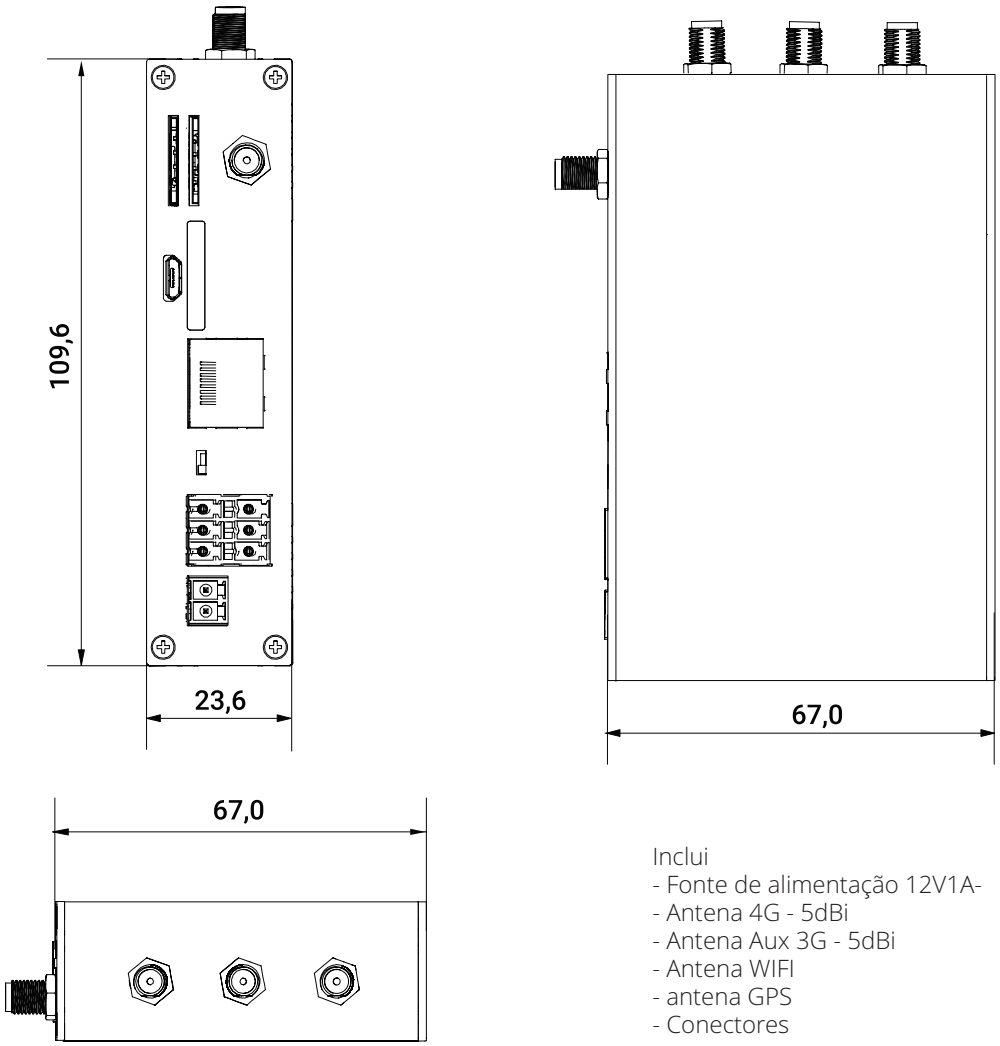
2.1 Main features

- TCP / IP transparent gateway - Serial
- Works on all bands in South America (2G / 3G / 4G)
- Alerts in case of digital input status change (via text message or server messages)
- Web configuration portal in desktop and mobile versions.
- Graph of signal strength behavior in the last 24 hours.
- Daily restart of the team and loss of ping to the server.
- Georeferencing in UTM and Datum WGS84.
- Time configuration by mobile network, NTP and GPS
- SNMP v2 and v3
- SSH for remote administration
- OpenVPN

3. Physical characteristics.

Body: Black anodised aluminium.
Product dimensions in millimeters:



Inclui
- Fonte de alimentação 12V1A-
- Antena 4G - 5dBi
- Antena Aux 3G - 5dBi
- Antena WIFI
- antena GPS
- Conectores

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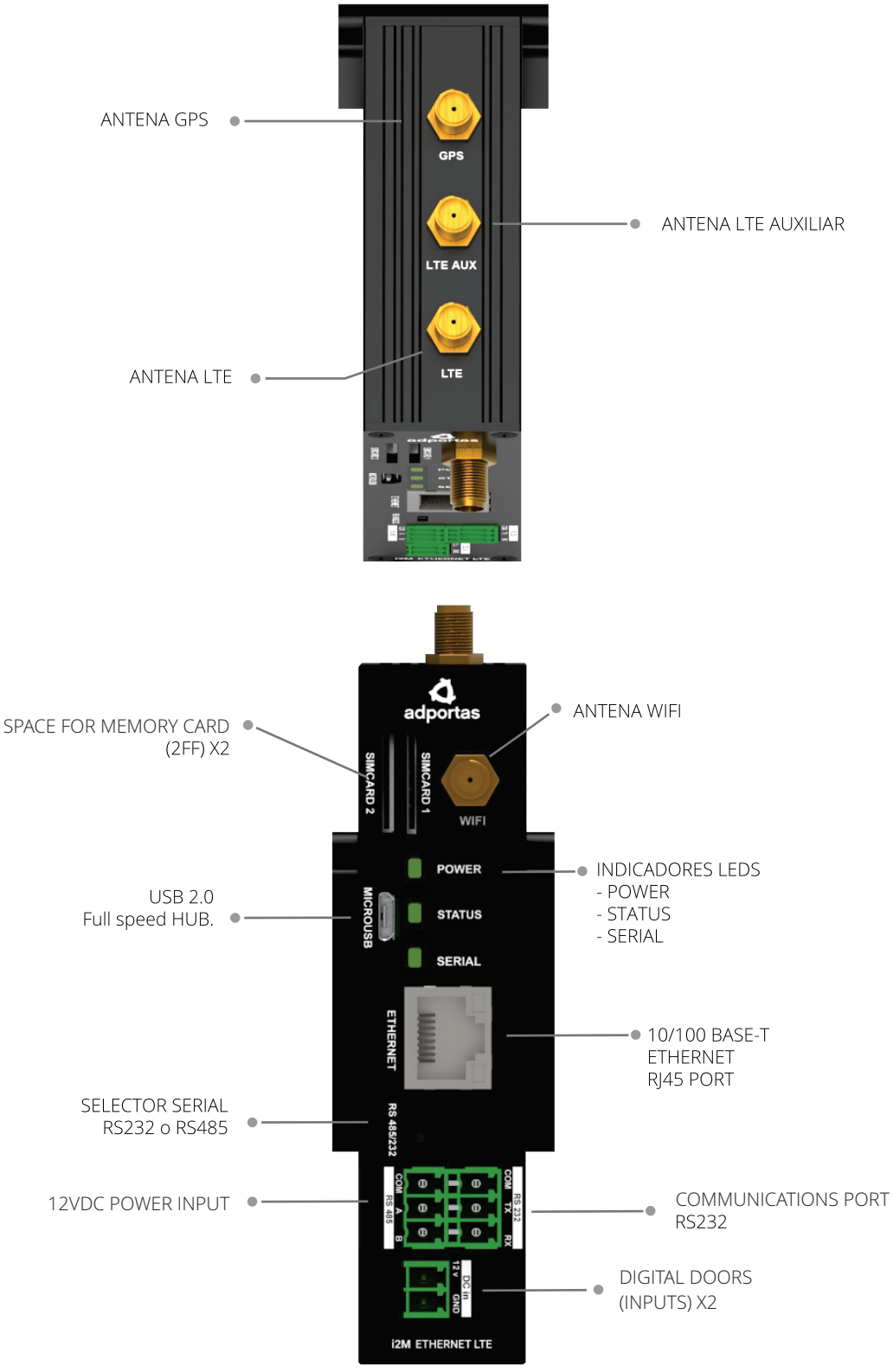
4. Peças e especificações.



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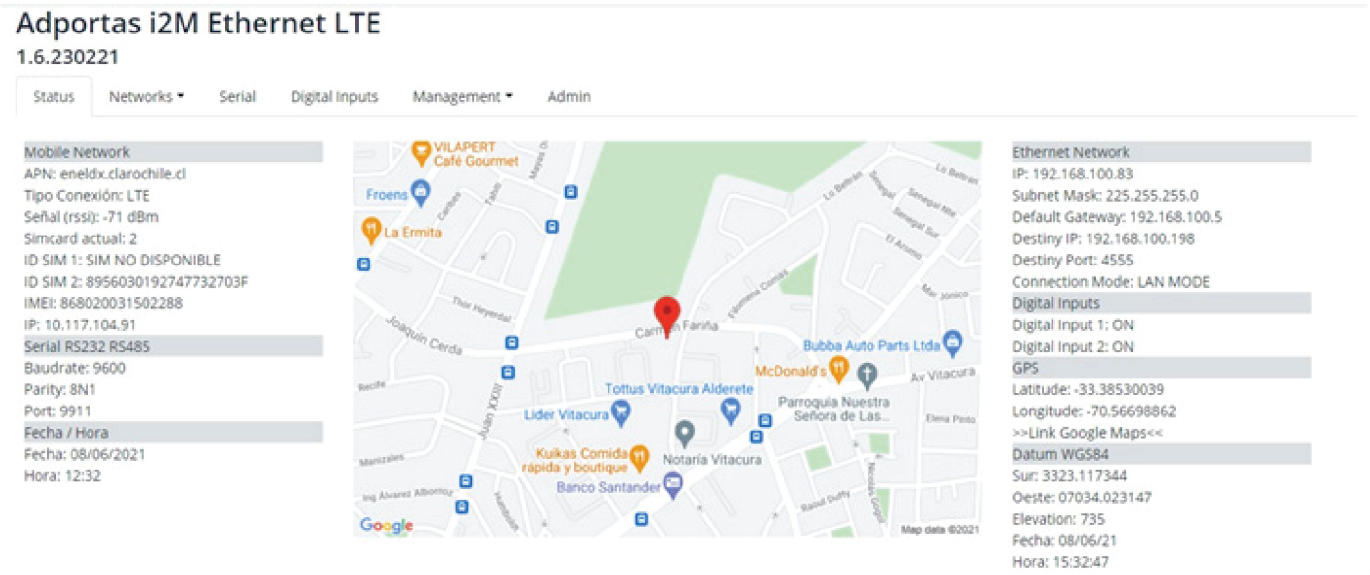
Software

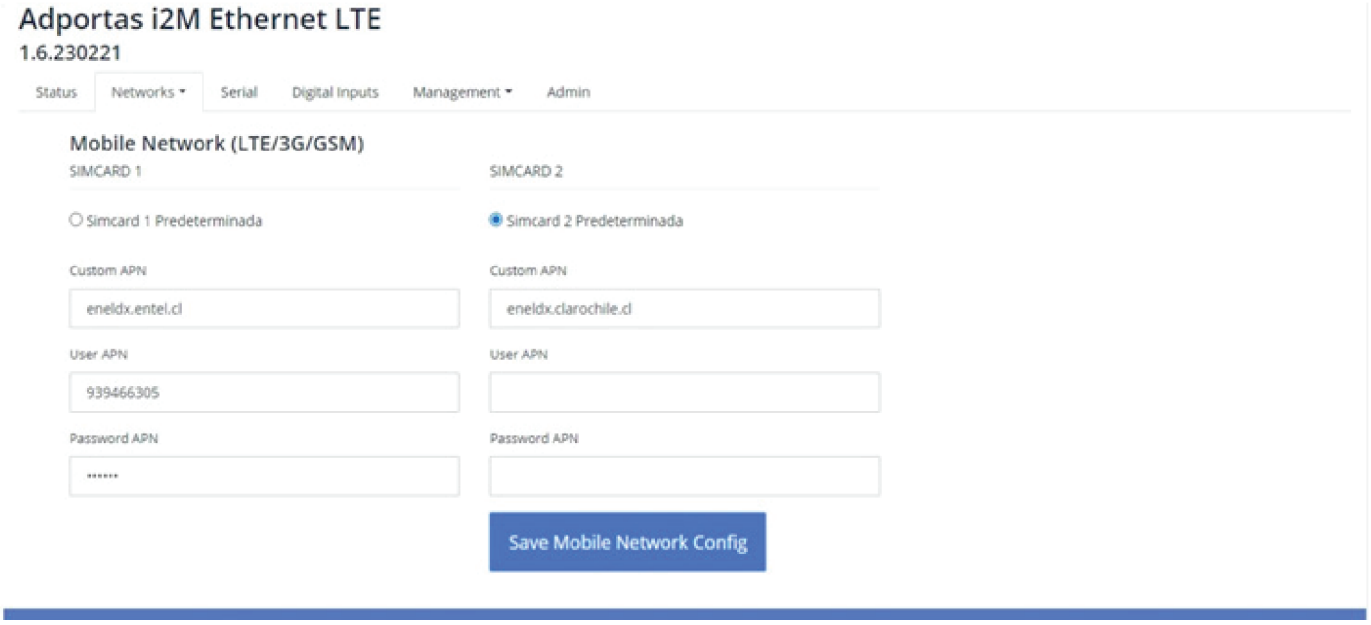
Adportas i2M Ethernet LTE has a web configurator optimized to work on desktops and devices allowing operators to easily configure them.

1.- On the initial screen you can review the complete status of the equipment and its georeferencing.



2.- Network Configuration.

2.1 Mobile Configuration



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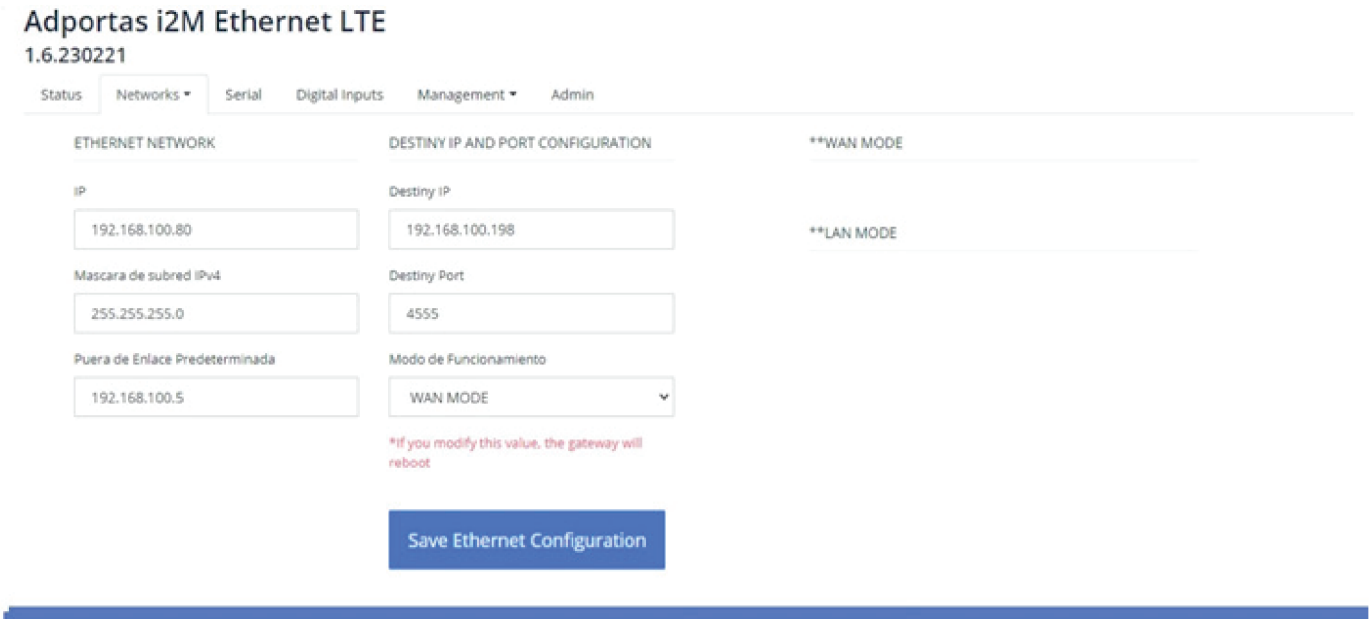
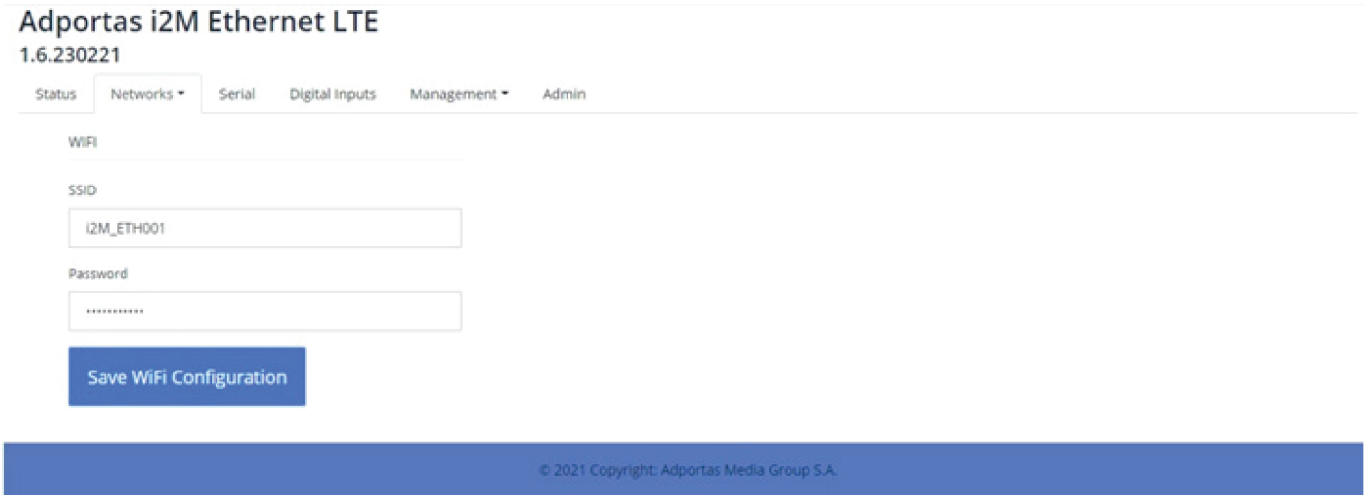
2.2 Internet Configuration



2.3 WIFI Configuration



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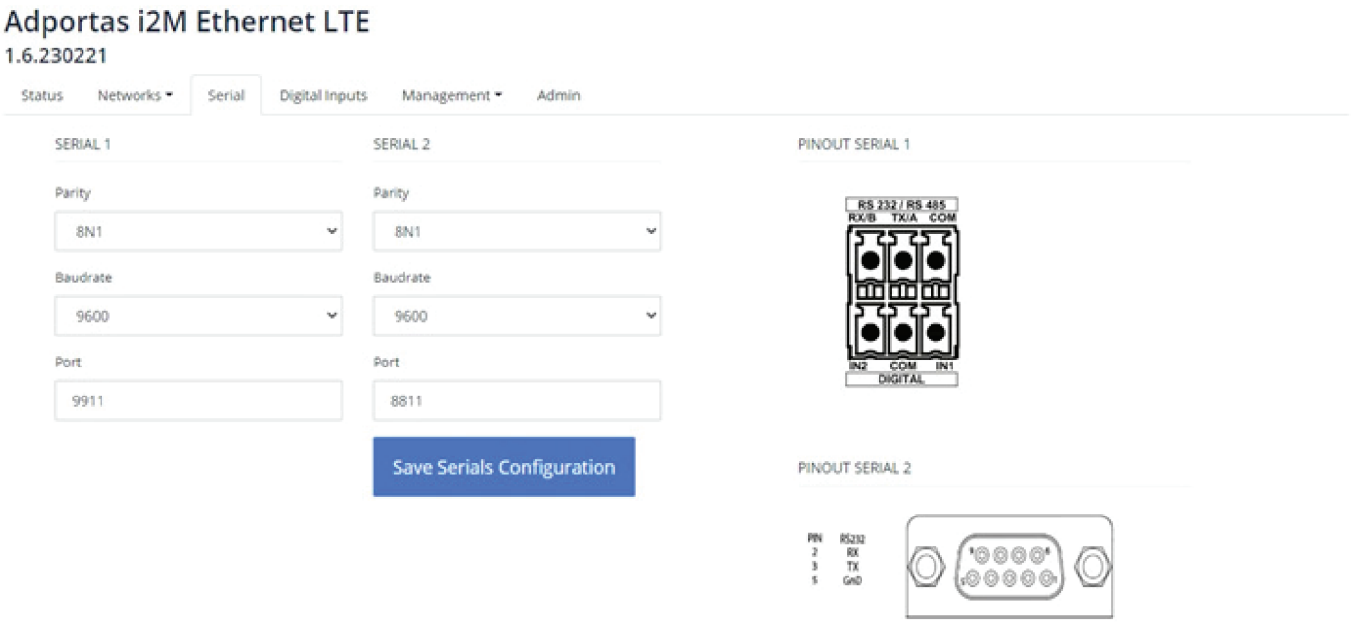
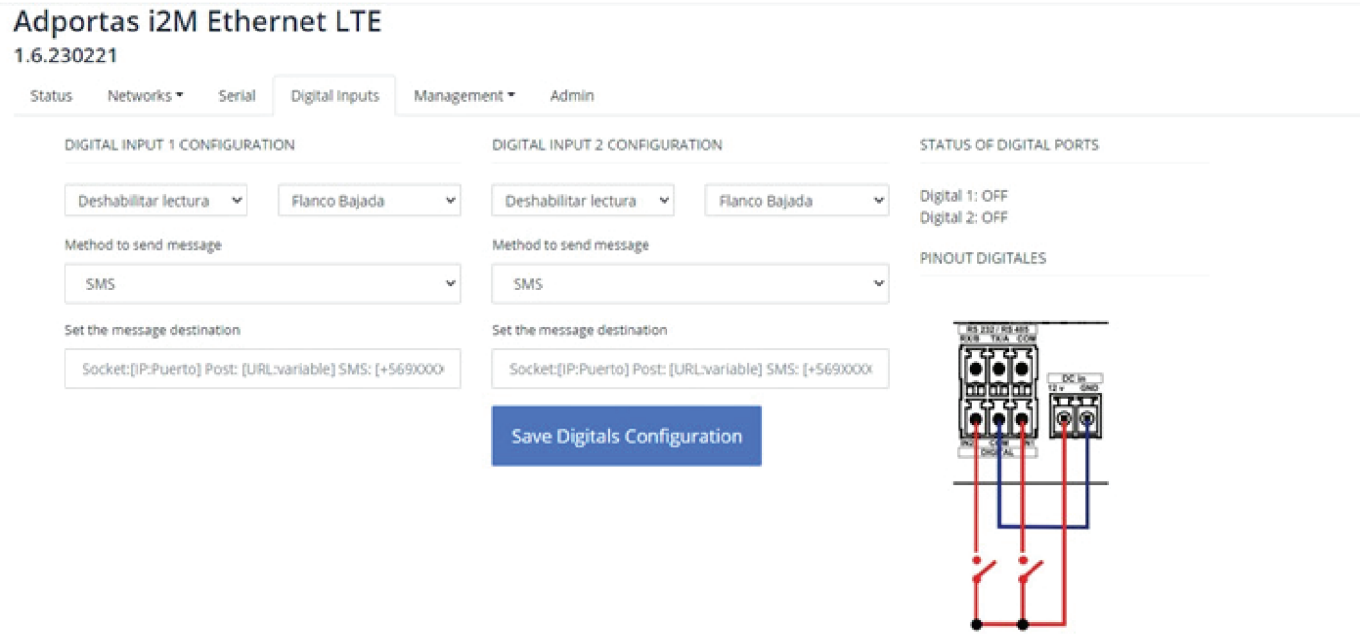
3. Serial configuration



4. Configuration of digital inputs



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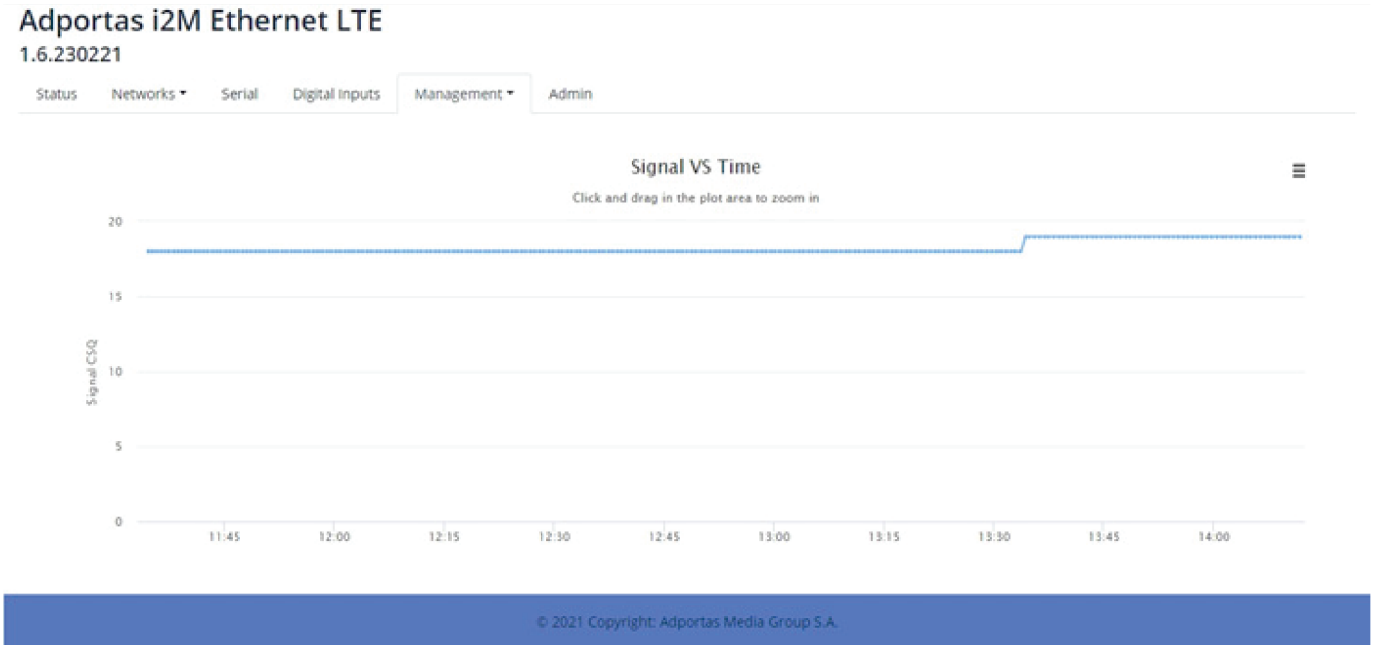
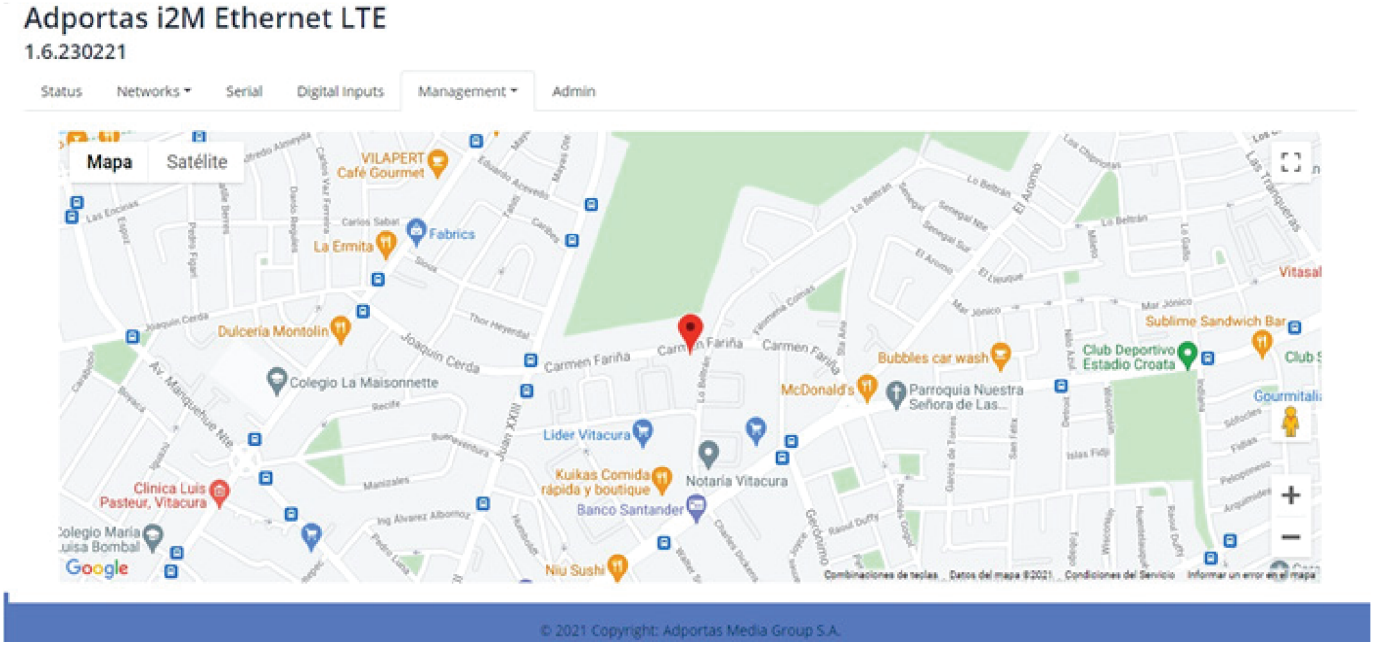
5. Utilities

5.1 Signal chart of the last 24 hours. It is possible to see a table with the recorded data



5.2 Interactive map on equipment location



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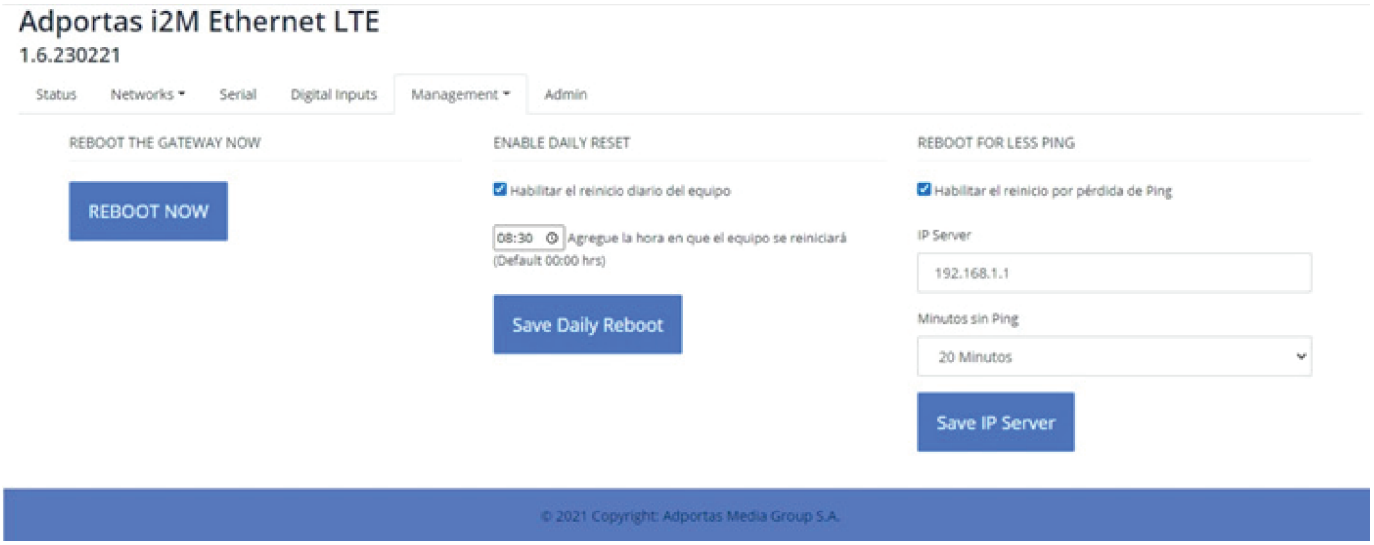
5.3 Reset

Restart your computer instantly remotely
Set up a daily reset
Configure a ping loss reset for a server



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