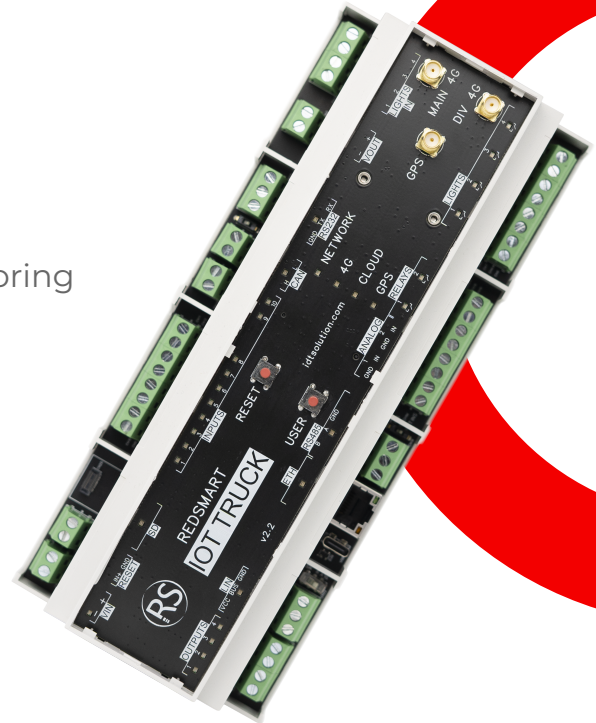


IoT Truck

Smart truck control system

- Doors and stands status real-time monitoring
- Parking position monitoring
- Environmental conditions monitoring
- Geolocation
- Energy system monitoring
- Vehicle lights monitoring
- Alarms
- Fridges/refrigerators remote monitoring
- Air conditioning and ventilation remote monitoring and control



For more information

Description

IoT Truck centralizes the utilities management to simplify and improve the user experience in different truck types.

The solution has different features: **temperature** and **humidity** monitoring, recycling air control, remote control of lights, monitoring of **energy supply system** (inverter, battery, etc.), monitoring the **status of doors**, **roller shutters** and **parking stands**. It can also control refrigeration systems. Everything controlled by a dedicated user-friendly App.

Using the dedicated App, it is possible to **control the whole fleet of trucks**, and assign single truck to specific employees, if needed.

Thanks to the most advanced protection technologies, **the application is GDPR compliant** and remote control is only possible

through the iOS and Android App and the registered user credentials.

Truck embeds a powerful **Arduino Portenta H7 processor**.

Specific customizations can be made according to the client's needs.

Examples of customizations may be:

- **Software customisations** (mobile App colors, dashboard template);
- **NDS battery types integration** (NDS currently supported for battery management are Tempra and 3link; for other models, customization can be made for hardware/firmware integration)
- **CO2 and GPL sensors' integration**

Technical specifications

SMART TRUCK CONTROL SYSTEM

12VDC and 24VDC system supported, compatible with standard vehicles

Up to 4 independent lights controls (ON/OFF); lights can be controlled locally via button switch or remotely via App

2 relay outputs

4 digital outputs for general purpose

10 digital inputs for doors sensor, switch, ect

Temperature and humidity sensor

Manage up to 6 fridges/freezers via RS-485

Integration with energy storage system

LTE connectivity for Cloud connection

Supported protocols: CAN-BUS, LIN BUS, RS232, RS485, Ethernet, Wi-fi, Bluetooth

App & WebApp



Example of application

Scan the QR code and watch the video!

