



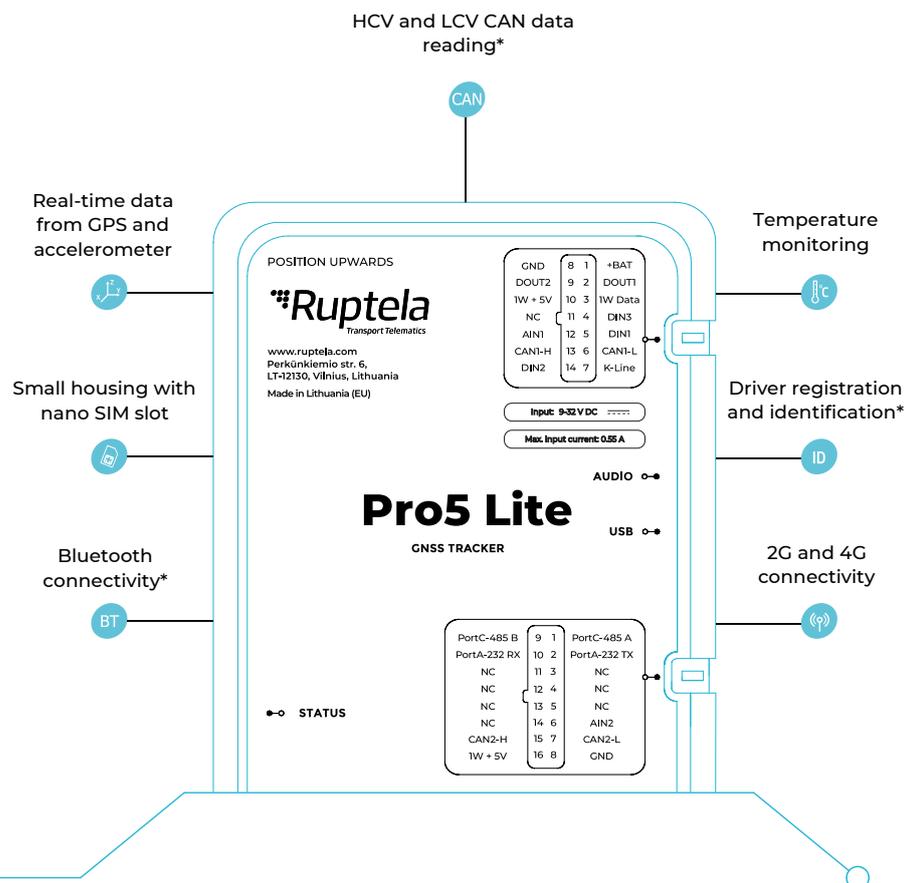
Pro5 Lite

Pro5 Lite is an advanced GPS tracker for Latin America, used in trucks, busses, agriculture, and other specialized machinery. It is designed for vehicle tracking and can perform advanced tasks – read on-board computer data (CAN), monitor driver behavior, manage fuel, etc.

The device is available with LTE CAT1 bis (4G) and GSM (2G) networks.

Applications

- Real-time monitoring of fleets and cargo
- Remote tachograph solution
- Fleet efficiency optimization
- Driver, vehicle and cargo safety and security
- Fuel monitoring
- Cargo conditions monitoring
- Trailer tracking
- Customizable with accessories



*In development

Detailed specifications

Environmental specifications

Temperature	Operating:	-20 to +60 °C
	Storage:	-20 to +45 °C
	Battery charging:	0 to +45 °C
	Battery discharging:	-20 to +60 °C
Relative humidity	5% to 95% Non-condensing	

Electrical specifications

Power supply range	9 – 32 V DC
Internal battery	LiPo 3.7 V 1050 mAh
Protections	<ul style="list-style-type: none"> Battery and a 1-Wire power line short circuit protection Reverse polarity protection Electrostatic discharge protection on USB, SIM card slot and 1-Wire data line Overcurrent protection on 1-Wire power line Overvoltage protection on analog inputs Charging protection

Connectivity

LTE CAT1 bis/GSM	<ul style="list-style-type: none"> Antenna: Internal Bands (LTE FDD): B1/B2/B3/B4/B5/B7/B8/B28/B66 Bands (GSM): 850/900/1800/1900 MHz
GNSS module	<ul style="list-style-type: none"> Antenna: Internal Positioning systems: GPS, GLONASS, Galileo Augmentation systems: QZSS, SBAS (WAAS, GAGAN, EGNOS, MSAS) Aided start services: AssistNow Online (A-GPS)* Tracking sensitivity: -154 to -164 dBm Reacquisition sensitivity: -152 to -160 dBm Cold start duration: < 30 s Aided start: As low as 3 s Navigation update rate: 10 Hz Horizontal position accuracy: 2.5 m (CEP, 50%, 24 hours static, -130 dBm, > 6 SVs) *In development
Bluetooth module	<ul style="list-style-type: none"> Bluetooth version: 5.0 Low energy* * In development

Detailed specifications

Interfaces

3 x Digital inputs	Voltage range: 0 - 30 V DC Voltage threshold: 4 V DC Voltage threshold when inverted: 250 mV DC
2 x Analog inputs	Voltage range: 0 - 30 V DC Resolution: 12 bit
2 x Digital outputs	Maximum voltage: 32 V DC Maximum current: 1 A @ 25 °C
2 x CAN interfaces	High-speed CAN interfaces: 2 FMS, J1939, HCV CAN*, LCV CAN*, OBD* (including proprietary manufacturer data) and tachograph data reading *In development
Switchable serial port	RS232* (DFS, RFID) OR RS485* (DFS, J1708 data reading) *In development
1-Wire interface	Power output: 300 mA @ 4.5 V DC iButton DS1990A, DS1971, DS1982 up to 4 DS18B20 temperature sensors* * In development
User interfaces	Micro USB interface 3.5 mm audio jack Indication LED

Features

Internal storage	16 MB
Accelerometer	Built-in 3-axis (auto-calibrating, impact detection*, motion sensing, tilt detection*, g-force up to 16 g) * In development

Certifications and ratings

Certifications	FCC, WEEE
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Physical properties

Dimensions	101 x 74 x 23 mm
Weight	120 ± 1 g
Housing	Plastic

Ordering information

Pro5-Lite-LTE-LA	Pro5 Lite with LTE CAT1 bis and Bluetooth
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