

Trace5

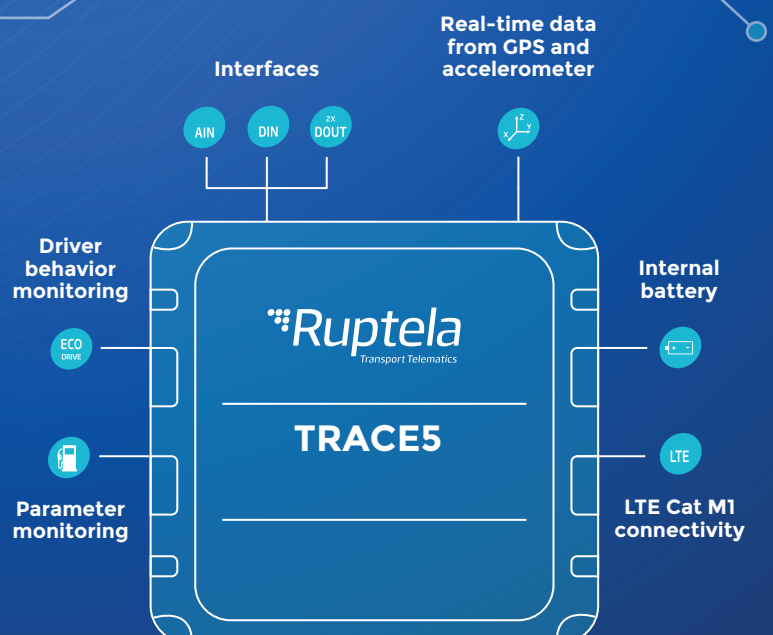
Datasheet



- **Trace5** comes with a 2 year warranty.
- This **GPS tracker** uses **LTE CAT M1 (4G)** connectivity and a premium GPS module from **Ublox**.
- It is a compact, **Plug&Play** type GPS tracker, that can connect multiple accessories.

Applications

- ✓ Track & Trace
- ✓ Safety & Security
- ✓ Green fleet
- ✓ Delivery
- ✓ Service fleets
- ✓ Vehicle leasing and financing
- ✓ Car rental



Detailed specifications

Environmental

Temperature	• Operating:	-22 to 140 °F	(-30 to +60 °C)
	• Storage:	-40 to 149 °F	(-40 to +65 °C)
	• Battery charging:	32 to 113 °F	(0 to +45 °C)
	• Battery discharging:	-4 to 140 °F	(-20 to +60 °C)
	• Battery storage:	-4 to 140 °F	(-20 to +60 °C)
Relative humidity	• 5% to 95% Non-condensing		

Electrical

Power supply range	• 8 – 30 V DC		
Internal battery	• LiPo 3.7 V 190 mAh		
Protections	<ul style="list-style-type: none"> • Battery short circuit protection • Reverse polarity protection • Electrostatic discharge protection on USB • Charging protection 		

Power consumption @ 12 V DC

Operating (internal battery fully charged)	• Idle mode:	33 mA
	• Active mode (peak):	76 mA
	• Sleep mode (lowest):	5 mA

Connectivity

LTE Cat M1 (4G)	<ul style="list-style-type: none"> • Modem: Quectel BG96 • Antenna: Internal • Bands: B1*/B2/B3*/B4/B5/B8*/B12/B13/B18*/B19*/B20/B25*/B26*/B28*/B39* <p>* – available upon request</p>
GNSS	<ul style="list-style-type: none"> • Module: U-blox EVA-M8M • 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 duration: 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)

Interfaces

Digital inputs	<ul style="list-style-type: none">• Available inputs: 1• Voltage range: 0 - 30 V DC• Voltage threshold: 4 V DC• Voltage threshold when inverted: 250 mV DC
Analog inputs	<ul style="list-style-type: none">• Available inputs: 1• Voltage range: 0 - 30 V DC• Resolution: 12 bit
Digital outputs	<ul style="list-style-type: none">• Available outputs: 2• Maximum voltage: 32 V DC• Maximum current: 1 A
User interfaces	<ul style="list-style-type: none">• Mini USB interface• RG indication LED

Features

Internal storage	<ul style="list-style-type: none">• 8 MB
SIM card	<ul style="list-style-type: none">• Micro SIM
Device management	<ul style="list-style-type: none">• Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
Accelerometer	<ul style="list-style-type: none">• Built-in 3-axis (auto-calibrating, impact detection, motion sensing, tilt detection, g-force up to 4 g)

Certifications and Ratings

Certifications	<ul style="list-style-type: none">• FCC, IC, PTCRB, Carrier approvals (Verizon, AT&T, Bell, Telus)
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Physical Properties

Dimensions	<ul style="list-style-type: none">• 2.54 x 2.40 x 0.87" (65 x 61 x 22 mm)
Weight	<ul style="list-style-type: none">• 2.47 oz (70 g)
Housing	<ul style="list-style-type: none">• Plastic

Ordering information

TRACE5-LTM-NA	<ul style="list-style-type: none">• US only. Trace5 HW with loose-ended harness
TRACE5-LTM-V	<ul style="list-style-type: none">• US only. Trace5 HW with loose-ended harness and Verizon homologation.

Contact information:

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