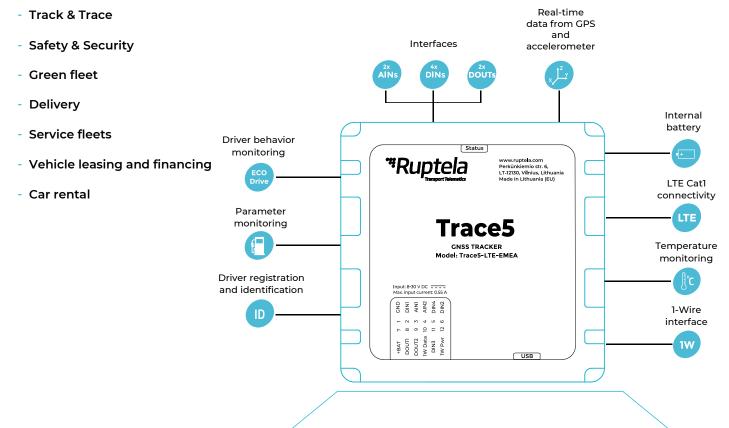


Trace5 is a compact GNSS-based Automatic Vehicle Location (AVL) tracker with all essential features for vehicle tracking and fleet management. It acquires its position with a GNSS signal and transfers data to a server via cellular LTE Catl or GSM networks.

This GNSS tracker uses GSM (2G) and LTE Catl (4G) connectivity and a premium GNSS module from U-blox.

Applications





Detailed specifications

	Trace5-LTE-EMEA	Trace5-LTE-EMEA- IP67	Trace5-LTE-LA	Trace5-LTE-LA IP67	
Environmental specifie	cations				
Temperature	Storage: -4 Battery charging: Battery discharging: -2	0 to +60 °C (-22 to 140 °F) 0 to +65 °C (-40 to 149 °F) 0 to +45 °C (32 to 113 °F) 0 to +60 °C (-4 to 140 °F) 0 to +60 °C (-4 to 140 °F)			
Relative humidity	5% to 95% Non-conden	5% to 95% Non-condensing			
Electrical specification	IS				
Power supply range	8 – 30 V DC	8 – 30 V DC			
Internal battery	LiPo 3.7 V 190 mAh	LiPo 3.7 V 190 mAh			
Protections	Reverse polarity protection	Battery short circuit protection Reverse polarity protection Electrostatic discharge protection on USB Charging protection			
Average power consur	mption @ 12 V DC				
Operating	Idle mode (battery fully of Active mode (peak): Sleep mode (lowest):	charged): 33 mA* ~230 mA ~3.5 mA			
	* - configuration depend	ent value			
Connectivity					
	Modem: Fibocom MC610-EU Antenna: Internal Bands (LTE-FDD): B1/3/7/8/20/28 Bands (GSM): 900/1800 MHz (GPRS multi-slot class 12)		Modem: Fibocom MC610-LA Antenna: Internal Bands (LTE-FDD): B1/2/3/4/5/7/8/28/66 Bands (GSM): 850/900/1800/1900 MHz (GPRS multi-slot class 12)		
Cellular	Antenna: Internal Bands (LTE-FDD): B1/3/ Bands (GSM): 900/1800	7/8/20/28 MHz	Antenna: Internal Bands (LTE-FDD): B1, Bands (GSM): 850/90	/2/3/4/5/7/8/28/66 0/1800/1900 MHz	



Detailed specifications

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	Trace5-LTE-EMEA	Trace5-LTE-EMEA- IP67	Trace5-LTE-LA	Trace5-LTE-LA- IP67
Interfaces				
4 x Digital inputs (2 invertible)	Voltage range:0 - 30 V DCVoltage threshold:4 V DCVoltage threshold when inverted:250 mV DC			
2 x Analog inputs	Voltage range:0 - 30 V DCResolution:12 bit			
2 x Digital outputs	Maximum voltage: 32 V DC Maximum current: 1 A			
1-Wire interface	Power output:0 mA @ 4.87 V DCPower output:100 mA @ 4.65 V DCMaximum cable capacitance:4 nF			
User interfaces	Mini USB interface Indication LED			
Features				
SIM card	Nano SIM			
Device management	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely			
Accelerometer	Built-in 3-axis (auto-calibrating, impact detection, motion sensing, tilt detection, g-force up to 4 g			
Certifications and ratings				
Certifications	CE, E-Mark, CITC*, IP67 (IP67 versions only) * – pending		FCC, IP67 (IP67 versions only)	
Physical properties				
Dimensions	65 x 61 x 22 mm (2.54 x 2.40 x 0.87")	95 x 77 x 29 mm (3.74 x 3.03 x 1.14")	65 x 61 x 22 mm (2.54 x 2.40 x 0.87")	95 x 77 x 29 mm (3.74 x 3.03 x 1.14"
Weight	70 g (2.47 oz)	185 g (6.52 oz)	70 g (2.47 oz)	185 g (6.52 oz)
Housing	Plastic (PC + ABS)	Plastic (PC), IP67 certified.	Plastic (PC + ABS)	Plastic (PC), IP67 certified.

Ordering information

Trace5-LTE-EMEA	Trace5 with LTE Cat1 and 2G fallback network support for the EMEA region
Trace5-LTE-EMEA-IP67	Trace5 with LTE Cat1 and 2G fallback network support for the EMEA region, IP67 housing
Trace5-LTE-LA	Trace5 with LTE Cat1 and 2G fallback network support for the LA region
Trace5-LTE-LA-IP67	Trace5 with LTE Cat1 and 2G fallback network support for the LA region, IP67 housing

Contact information:

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