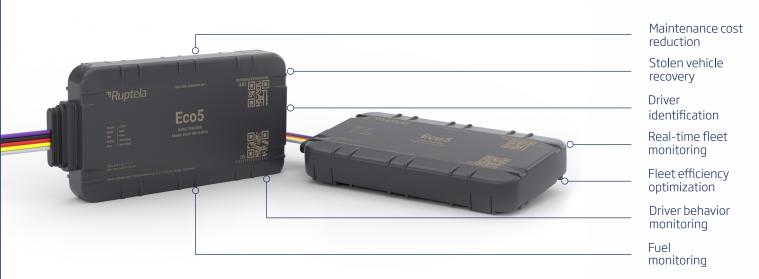
# Eco5





LTE CAT1 and LTE-M connectivity with 2G fallback



u-blox GNSS module



Jamming detection

esc) top

FW configuration SMS/GPRS (FOTA)/USB



3-axis accelerometer

	10	
	-	

Internal backup battery

9

Power supply 9-32 V



Operating

temperature

-20 °C to +40°C

• ))

BLE 5.0

 $\mathbb{B}$ 

Internal GNSS antenna

### Key values:

**Easy installation & use** – small size, screwless housing design, dedicated software tools (Device center, DMP), wireless solutions.

**Excellent GNSS performance** - u-blox M10 generation GNSS receiver used.

**Versatility** – suitable for both Heavy Duty and Light Duty vehicles. Various BLE accessories for temperature, humidity as well solutions based on BLE beacon detection (Asset tracking, Trailer tracking etc.)

**Secure** - jamming detection, unplug detection, backup battery, TLS v1.2 for end-to-end encryption.

**Small size** - compact design allows for more installation versatility.

**Low power consumption** – as low as < 0.5 mA at 12 V DC in Sleep mode.



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## **Technical information**

	Eco5-5W-LTE-EMEA-IP54	Eco5-5W-LTE-LA-IP54	Eco5-5W-LTM-IP54
Electrical creatification			
Electrical specificatio Power supply range		9 - 32 V DC	
Internal battery			
Protections	LiPo 3.7 V 180 mAh Battery short circuit protection, Reverse polarity protection,		
FIDLECLIDIIS	Electrostatic disch	arge protection on USB, Cl	harging protection
Lowest Power consumpt	tion	<0.5 mA @ 12 V DC	
Connectivity & Hardw	are specification		
Connectivity	LTE Cat 1: B1/B3/B5/B7/ B8/B20/B28 GSM: 850/900/1800/ 1900 MHz (GPRS multi-slot class 12)	LTE Cat 1: B2/B3/B4/ B5/B7/B8/B28/B66 GSM: 850/900/1800/ 1900 MHz (GPRS multi-slot class 12)	LTE Cat M1: B1/B2/B3/ B4/B5/B8/B12/B13/B18/ B19/B20/B25/B26/B27/ B28/B66/B85 LTE Cat NB2: B1/B2/B3/ B4/B5/B8/B12/B13/B18/ B19/B20/B25/B28/B66/ B71/B85 GSM: 850/900/1800/ 1900 MHz (GPRS multi-slot class 33)
BLE		5.0	
GNSS	Module: u-blox M10 Antenna: Internal Positioning systems: GPS, GLONASS, Galileo Augmentation systems: QZSS, SBAS (WAAS, GAGAN, EGNOS, MSAS) Aided start services: AssistNow Online (A-GPS) Tracking sensitivity: -167 to -168 dBm Reacquisition sensitivity: -160 dBm Cold start duration: < 30 s Aided start: As low as 1 s Navigation update rate: 10 Hz Horizontal position accuracy: 1.5 m (CEP, 50%, 24 hours static, -130 dBm, >6 SVs for each GNSS system)		
Acceloremeter	3 axis (auto-calibrating, im	pact detection, motion ser up to 16 g)	nsing, tilt detection, g-force
I/O Interfaces	1 DIN (igntion detect	ion), 1 DOUT, 1 AIN/DIN (pc	ositive/ground mode)
SIM Slot	Nano SIM		
USB port	Micro USB		
Additional indications	1xLED		
Device management	Monitor, manage, upgrad	de firmware, configure a remotely	nd troubleshoot devices

Enviromental specification	ons			
Temperature	Operating: -20 to +40 °C Storage: -20 to +45 °C Battery charging: 0 to +45 °C Battery discharging: -20 to +60 °C			
Humidity	5% to 95% Non-condensing			
Certifications*				(*coming soon)
Certifications	CE / E-mark		FCC	CE / E-mark / FCC
Physical properties				
Dimensions	95mm x 51mm x 14mm			
Weight	68g +/- 2g with harness			
Housing	Black Plastic			
Standard harness length	~700 mm			
External fuse	1 A			

## **Ordering information**

Eco5-5W-LTE-EMEA-IP54	5-wire version with LTE Cat-1 and 2G fallback network support for the EMEA region.
Eco5-5W-LTE-LA-IP54	5-wire version with LTE Cat-1 and 2G fallback network support for the Latin America region.
Eco5-5W-LTM-IP54	5-wire version with LTE Cat-M1/NB2 and 2G fallback network support.



#### **Contact information:**

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