

FM-Eco4 light T is a tracking device (2G) without an internal battery and with regular housing, small size and internal antennas.

FM-Eco4 T

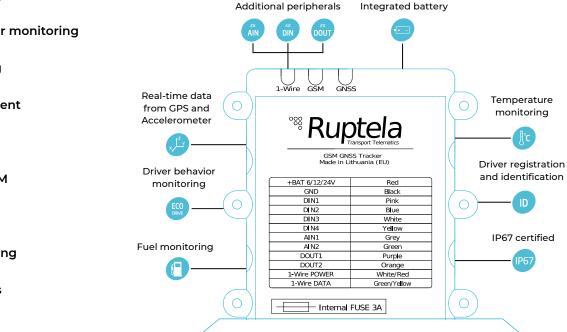
FM-Eco4 light+ T is a tracking device (2G) with regular housing, small size and internal battery, antennas.

FM-Eco4+ T is a tracking device (2G) with rugged IP67 certified housing that can be installed outside the cabin and successfully resist environmental factors such as water and dirt.

FM-Eco4+ E T is a tracking device (2G) with rugged IP67 certified housing and an external antenna, which allows the device to be installed in areas that are hard to find and access.

Applications

- Safety & security
- Driver behaviour monitoring
- Fuel monitoring
- Fleet management
- Logistics
- Automotive OEM
- Trailer tracking
- Rental and leasing
- Corporate fleets



FRUPTEIA Transport Telematics Model FM-ECO4+ E T

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Detailed specifications

	FM-Eco4 light T	FM-Eco4 light+ T	FM-Eco4+ T	FM-Eco4+ E T		
Environmental specificat	tions					
Temperature	Storage: -2	20 to +60 °C 20 to +60 °C 0 to +45 °C 20 to +60 °C				
Relative humidity	5% to 95% Non-conden	sing				
Electrical specifications						
Power supply range	6 ÷ 31.5 V DC	6 ÷ 31.5 V DC				
Maximum current rating	500 mA @ 6 V DC					
Internal battery	-	LiPo 3.7 V 190 mAh				
Protections	Battery short circuit protection (not applicable for FM-Eco4 light T) Reverse polarity protection Overcurrent protection on 1-Wire power line 2 amp fuse on the power line					
Power consumption @ 1	2 V DC					
Operating (battery fully charged)	Idle mode: Active mode (peak @ GS Sleep mode: Deep sleep mode:	33 mA 5M): 135 mA 7 mA 4 mA				
Connectivity						
GSM	Modem: Quectel M95 Antenna: Internal (Quad-band) Frequency band @ GSM: 850/900/1800/1900 MHz (GPRS multi-slot class 12)					
GNSS module	Module: U-blox EVA-M8M Antenna: Internal or external (FM-Eco4+ E T only) Positioning systems: GPS, GLONASS, Galileo Augmentation systems: QZSS, SBAS (WAAS, GAGAN, EGNOS, MSAS) Aided start services: AssistNow Online Frequency: 1575.42 MHz (GPS, Galileo); 1602 MHz (GLONASS) 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)					



Detailed specifications

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	FM-Eco4 light T	FM-Eco4 light+ T	FM-Eco4+ T	FM-Eco4+ E 1		
Interfaces						
4 x Digital inputs	Voltage range: Voltage threshold: Invertible inputs: Voltage threshold when i	0 - 30 V DC 4 V DC 2 (DIN3/DIN4) nverted: 250 mV DC				
2 x Analog inputs	Voltage range: Resolution:	0 - 30 V DC 12 bit				
2 x Digital outputs	Maximum voltage: Maximum current:	32 V DC 1 A @ 25 ℃				
1-Wire interface	Power output: 100 m					
User interfaces	Mini USB interface 3 x Indication LEDs					
Features						
Internal storage	4 MB (max. 30000 record	4 MB (max. 30000 records)				
Accelerometer	Built-in 3-axis (auto-calib	Built-in 3-axis (auto-calibrating, impact detection, motion sensing, tilt detection, g-force up to 4 g)				
Certifications and ratin	gs					
Certifications	E-mark, CE, RoHS, WEEE	E-mark, CE, RoHS, WEEE, EAC				
IP Rating		-	IP67			
Physical properties						
Dimensions	65 x 61 x 22 mm	65 x 61 x 22 mm		95 x 77 x 29 mm		
Weight	59 ± 5 g	65 ± 5 g	148 ± 5 g	185 ± 5 g		
Housing	Plastic					

Ordering information

FM-Eco4 light T	Eco4 light Third Edition without battery	
FM-Eco4 light+ T	Eco4 light Third Edition with battery	
FM-Eco4+ T	Eco4 Third Edition with battery and IP67 housing	
FM-Eco4+ E T	Eco4 Third Edition with battery, IP67 housing and external GNSS antenna	

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