

FEBRUARY 2024

TELEMATICS

Product Catalog



"

The first 2024 Product Catalog is packed with smart GPS devices and covers a wide range of industry needs

DEAR READER,

Teltonika Telematics is proud to present its first 2024 Product Catalog, featuring asset trackers with magnetic tamper detection, prolonged autonomous usage, and the new EYE devices reinforced for use in challenging conditions to drive your business forward.

Among the highlights is the tamper-proof asset tracker TAT240, which offers extended battery life, robust connectivity, and advanced security features for optimal asset monitoring. Further on, explore the distinctive ATEX-certified EYE Beacon and EYE Sensor built to withstand hazardous environments and deliver real-time insights.

Don't miss FMC234, a powerful fleet management GPS tracker equipped with a large-capacity internal battery and handy features to streamline your operations. Rest assured, this comprehensive catalog covers a wide range of industry needs with solutions for logistics, construction, agriculture, and more.

Remember the first 3 vehicle GPS trackers based on the new FT platform - FTC921, FTC961, and FTC881 models? Their production is about to start, and the trackers will be available to order. Our business partners and we have high expectations for their market debut.

I urge you to take a look at the catalog, as it is full of items and information that you may find interesting. There is a wide range of products to explore, each with its own unique features and value. May you find value in every page, and may the knowledge you gain empower you to make the most of every project you manage.



ANTANAS ŠEGŽDA CEO, Teltonika Telematics



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Incredibly simple installation in minutes to experience the benefits of vehicle telematics in the most time-efficient manner. No special skills or tools are required to mount these GPS devices. Literally, fast and easy!

14 –	FMC880
16 -	FMC800/FMM800
17 -	FMM80A
18 -	FMB010/FMB020
19 -	FMP100



Simple but smart vehicle GPS devices for basic tracking solutions, applicable to a great variety of use cases and scenarios. They are compact, reliable, accurate, affordable, and incredibly popular!

22	FMB930
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58

E-MOBILITY

The trackers that have accurate location reporting, remote lock/unlock features, battery level and status data, etc. From sharing services and fleet management to anti-theft and cargo delivery applications, these devices are ideally suited for e-scooters, e-bikes, e-forklifts, and other smart e-vehicles.

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Comprehensive vehicle telematics solutions for professional applications and the most demanding customers. These GPS trackers allow the download of digital tachograph files, may read CAN bus data, and connect to an impressive variety of external accessories and equipment.

64	
04	
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66	
67	
68	

(62)

28 **ADVANCED**

Sophisticated vehicle GPS trackers with flexible hardware features and practical all-round solutions including various network connectivity options, water-resistant IP67 rating casing, and driver authentication.

FMC234	30
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Plug & Play trackers to read OBD data like mileage, RPM, fuel level, and fault codes. Ultra-small size devices will fit in the tightest spaces of any vehicle.

44	FMC003
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48	CAN	DAT
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CAN data allows you to manage fleet costs effectively, control car doors/ windows remotely, and more. Know what you will get with the supported vehicle lists.

FMC15	50
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CAN DATA ADAPTER	56
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(78) VIDEO TELEMATICS

Innovative video telematics solutions that capture videos or photos to detect, record, warn, and prevent unwanted behaviour and risky driving, keeping drivers, passengers, and road users safe.

80, ++++	TELTONIKA DSM
82	TELTONIKA DASHCAM
84 +	TELTONIKA DUALCAM
85	ADAS

Wireless	Blueto
and ID b	eacons
features	robust

86

streams, and bring more value.

88		
89		
90	EYE	BEA

PROFESSIONAL

FMC650/FMM650 **FMB641** FMC225/FMB225 FMC125

ASSETS & WORKFORCE (70)

Countless fleet assets and items around the world are difficult to track and locate - they may be left in remote places for a few days while they are looked after and accounted for. These trackers are designed to effectively monitor such assets and provide extra protection against vehicle theft.

TAT240	12	72
TAT141	74	74
TAT140/TAT100	75	75
GH5200	6	76
TMT250	n —	11

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		v ~ Þ	LINGO	

both® LE sensors with unique smart IP67 casing, long lifetime batteries, and handy mobile app to open up new business opportunities, diversify income

> EYE SENSOR - EYE BEACON CON & EYE SENSOR ATEX

<mark>92</mark> –	SOLUTIONS
94 —	FOTA WEB
95 —	WEB TACHO
96 —	TCT
98 —	- GLOBAL CONNECTIVITY SOLUTION
99 —	IRIDIUM EDGE®

100

ACCESSORIES

104 ACCESSORY COMPATIBILITY 106 - PRODUCT COMPARISON

FT PLATFORM DEVICES AVAILABLE NOW

Highly accurate and built to stand out - Fleet Telematics platform devices are available to order for testing.

Experience the power of precision with the innovative vehicle GPS trackers FTC921, FTC961, and FTC881. Each of them brings excellent positioning, exceptional durability, and competitiveness for your business.

KEY FEATURES

1.4x

Increased position accuracy*

4x

Lower power consumption*

2x

Increased number of satellites*

IP69K

Ultimate protection of waterproof casing

FTC921 FTC961

High voltage **BASIC** and enhanced GNSS

10-90 V

Battery capacity



BASIC category 4G LTE Cat 1 connectivity tracker with enhanced GNSS accuracy and IP69K-rated casing

IP69K 320 mAh 10-90 V



Battery-mounted FAST **& EASY** category GPS tracker with 4G LTE Cat 1 connectivity and IP69Krated casing

IP rating Battery capacity

IP69K U-type 320 mAh 10-90 V

USE CASES

The world we live in today is connected. Inspired by the creativity of our customers and business partners, we share potential use cases that show how Teltonika Telematics products can help in various industry sectors.





Fleet telematics

Merging the best of telecommunications and informatics, telematics offers unique ways to monitor a vehicle. From motorbikes to heavy trucks and lorries, from a single passenger car to huge fleets – there is a solution for each and every client. Telematics is the key to effective resource management, optimisation of costs, and safety across a range of industries.



Logistics & delivery services

Modern-day logistics require a considerable amount of information for business optimisation. It is not enough just to get the GPS coordinates of your vehicle's current location. With fuel consumption, driven distance, and many other parameters at hand, you will manage your fleet resources effectively. No expenses will be left unaccounted for. Monitoring driver activities will allow you to be in control of your staff, while temperature data will make you sure that goods are delivered of high quality.



E-mobility management

The trackers that have accurate location reporting, remote lock/unlock features, battery level and status, data, etc. From sharing services and fleet management to anti-theft and cargo delivery applications, these devices are ideally suited for e-scooters, e-bikes, e-forklifts, and other smart e-vehicles.



Utility & emergency transport

The safety and life quality of our society highly depend on the ability to manage the transport of utility and emergency services properly. Owing to our solutions, operators will always know the current location and status of any vehicles, including maintenance machinery, ambulances, police fleets, etc. With the help of modern tracking technology, timely responses to unforeseen situations and efficient routine operations can be effectively ensured.

Driver safety

In the dynamic landscape of vehicle telematics, ensuring driver safety is

paramount. It underlines our commitment to making journeys safer, smarter, and more efficient. Harnessing the power of telematics, Teltonika GPS trackers and accessories help monitor driver behaviour, predict potential hazards, and ultimately protect the most valuable asset of all – people.



Car sharing, rental & leasing

Knowing vehicle's current location, status, and track history is crucial for all car sharing and rental service providers. Gain full control of your fleet with our solutions – prevent theft with remote car lock management, receive notifications of possible contract violations, and monitor driver behaviour and areas where the vehicles are driven.



Agriculture, construction & mining

With our innovative telematics solutions, you will have full control over the agricultural machinery by knowing its current position, driver activities, and other vital information. Similarly, managing construction and mining machinery is a complex task that can lead to huge expenditures if done improperly. The benefits of using our GPS tracking devices include protecting your equipment from theft, reducing fuel expenses, and enhancing safety.



Assets & workforce

There are countless fleet assets and items around the world that are difficult

to track and locate manually. Asset GPS trackers are designed to effectively monitor such items and provide additional protection against theft. Even more, Teltonika autonomous workforce tracking devices ensure the personal safety of vulnerable people and those who carry out activities without close supervision by others, such as healthcare, maintenance, social, and lone workers.

FAST & EASY

QUICK

installation and device setup with no special skills or tools required

IDEAL

choice to install large quantities of devices in a short period of detailed crash trace data

ACCURATE





13



KEY FEATURES

Improved GNSS tracking accuracy*

Standalone L1 and L5 dual-band GNSS receiver ensures better track quality and quick time to first fix

Fast installation

Virtually anyone can mount the device in 5 minutes or less directly on a car battery

Compact & robust casing

IP65-rated casing is designed to withstand poor weather conditions

CONNECTIVITY OPTIONS

FMC880 4G

FMM880 | M1

Reliable 4G (LTE Cat 1) connection with fallback to 2G (GSM) network

Supports both LTE Cat M1 and NB IoT connectivity



Accurate and detailed crash trace data: Crash detection functionality based on 3-axis built-in accelerometer with fully configurable parameters through our software to ensure accurate crash trace data

PINOUT



FMT100 | 2G

Base model that supports GSM, Quad-band 2G network





KEY FEATURES

Future-proof network support

Global network coverage for a wider range of markets and projects

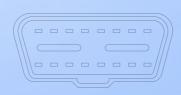
OBD port connector

Hassle-free wireless device installation to save company resources and preserve vehicle warranty

Crash detection

Built-in accelerometer ensures accurate crash trace data for evaluation, evidence, and prompt emergency calls

CONNECTOR



FMM80A M1

Plug & Play tracker designed for North America



KEY FEATURES

Reliable global coverage

LTE Cat M1 and NB IoT connectivity support with fallback to 2G ensures wide-ranging coverage for your fleet management needs

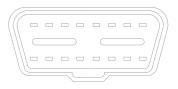
Effortless Plug & Play installation

Simply plug the device in OBD-II port and start tracking

Accurate and detailed crash trace data

Crash detection functionality based on 3-axis built-in accelerometer with fully configurable parameters through our software to ensure accurate crash trace data

CONNECTOR





Plug & Play trackers for a wide range of use cases

TELTONIKA | Telematics FMB010 0

X

KEY FEATURES

Ultra-small casing*

29.1 mm width casing allows FMB020 to fit perfectly in any car

Effortless Plug & Play installation

Simply plug the device in OBD-II port and start tracking

Eco driving scenario

Achieve efficient fuel consumption, prolong vehicle life, and increase road safety with eco driving scenario



FMB020 🛛



Plug & Play tracker connected via cigarette lighter socket



KEY FEATURES

Custom built-in button

Press the button and generate an alarm event in case of an accident or use it as a switch for Private/Business trips

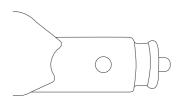
Device status and vehicle events

Built-in RGB LED and buzzer help a driver know the device status and the events of a vehicle

Charger for external devices

Practical feature suitable for external devices, such as smartphones, pods, etc.





BASIC



VALUABLE

tracking and diagnostic features extended with Bluetooth® application scenarios

UNMATCHED

popularity and applicability in a variety of use cases

vays to monitor vehicle vhereabouts, health, and

PRECISE



FMB930 2G

Small tracker for electric two-wheelers and similar vehicles



KEY FEATURES

Ultra-low 1 mA power consumption

Innovative Power Off sleep mode ensures an ultralow power consumption

10-90 V power supply for integration variety

Ensuring smooth use in e-motorcycles, e-mopeds, e-rickshaws, and other EVs

Extended operation without external power source

Prolonged autonomous usage with internal 170 mAh battery, while the device is in the unique Power Off sleep mode

PINOUT



EVEN MORE

vehicles to track



FOUR-WHEELERS

FMC920 4G

The most popular compact model for basic tracking

TELTONIKA | Teler



KEY FEATURES

Future-proof network support

Reliable 4G LTE Cat 1 network coverage with fallback to 2G – guaranteed future-proof network support for your fleet

Slim design to fit the tightest spaces

12 mm-height device can be easily fitted in the tightest spaces

Eco driving scenario

Achieve efficient fuel consumption, prolong vehicle life, and increase road safety with eco driving scenario

CONNECTIVITY OPTIONS

FMC920 46

FMM920 M1

Reliable 4G (LTE Cat 1) connection with fallback to 2G (GSM) network

Supports both LTE Cat M1 and NB IoT connectivity



Remote control possibilities: Blocking engine remotely among the numerous available fleet control measures

PINOUT

\odot	Red +1030 V DC
\odot	Black GND
\odot	Yellow DIN 1
\odot	Grey AIN 1
\odot	White DOUT 1

FMB920 | 2G

Base model that supports GSM, Quadband 2G network



Low-cost models for basic tracking

KEY FEATURES

Anti-theft solution

Jamming detection scenario to help prevent theft or to recover a stolen vehicle

Extensive remote monitoring possibilities

Blocking engine remotely among the numerous available fleet control measures

Eco driving scenario

Achieve efficient fuel consumption, prolong vehicle life, and increase road safety with eco driving scenario



⊙ ^{Red} +6...30 V DC $\odot \frac{\text{Black}}{\text{GND}}$ ⊙ ^{Yellow} DIN 1

PINOUT







Low-energy consumption and water-resistant tracker for motorcycles

KEY FEATURES

Ultra-low 1 mA power consumption

Innovative Power Off sleep mode for ultra-low 1 mA power consumption

Protection against dust and water

Robust IP67-rated casing provides trusted protection against dust and resistance to water

Prolonged autonomous device usage

Large-capacity 1,200 mAh Li-ion internal backup battery for prolonged autonomous usage

PINOUT

⊙ ^{Red} +10...30 V DC $\odot \frac{\text{Yellow}}{\text{DIN 1}}$ $\odot \frac{Blue}{DOUT 1}$ $\odot \frac{Grey}{DOUT 2}$ $\odot \frac{\mathsf{Black}}{\mathsf{GND}}$

ADVANCED



FLEXIBLE

hardware features combined with practical accessories for advanced use cases

ROBUST

solutions for vehicle immobilization and driver authentication

ALL-ROUND



FMC234 4G

Water-resistant 4G LTE Cat 1 tracker with high-capacity battery



KEY FEATURES

Perfect for stolen vehicle recovery

Device operation for up to 8 days, even if external power is lost, makes it ideal for recovering stolen vehicles

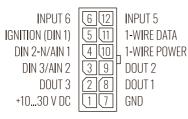
Prolonged autonomous usage

Large-capacity 1,000 mAh Li-Po internal backup battery for extended device operation time

No additional tools needed

Innovative click-type two-phase closing with no additional tools needed

PINOUT





POWER UP

your tracking experience and fleet safety

FMC230 4G Water-resistant 4G LTE Cat 1 tracker with flexible inputs TELTONIKA | Telematics

THIS SIDE UP



KEY FEATURES

Future-proof network support

Reliable 4G LTE Cat 1 network coverage with fallback to 2G – guaranteed future-proof network support for your fleet

No additional tools needed

Innovative click-type two-phase closing with no additional tools needed

Different cable optionss

Standard and U-type cable options available to ensure easy and fast installation

CONNECTIVITY OPTIONS

FMC230 46

FMM230 4G

Reliable 4G (LTE Cat 1) connection with fallback to 2G (GSM) network

Supports both LTE Cat M1 and NB IoT connectivity



Protection against dust and water: Robust IP67-rated casing provides trusted protection against dust and resistance to water

PINOUT

INPUT 6 **IGNITION (DIN 1)** DIN 2-N/AIN 1 DIN 3/AIN 2 DOUT 3 +10...30 V DC



INPUT 5 1-WIRE DATA , 1-WIRE POWER 1⁴ DOUT 2 DOUT 1

FMB230 2G

Base model that supports GSM, Quadband 2G network

FMC130 4G

Advanced 4G LTE Cat 1 tracker with flexible inputs and CAN adapter support

TELTONIKA | Telematics THIS SIDE U



KEY FEATURES

Future-proof network support

Reliable 4G LTE Cat 1 network coverage with fallback to 2G – guaranteed future-proof network support for your fleet

Extensive remote monitoring possibilities

Blocking engine remotely among the numerous available fleet control measures

Accurate fuel usage control

Impulse input for fuel flow meters data reading and precise fuel usage control

CONNECTIVITY OPTIONS

FMC130 46

FMM130 M

Reliable 4G (LTE Cat 1) connection with fallback to 2G (GSM) network

Supports both LTE Cat M1 and NB IoT connectivity



CAN-CONTROL support: Remote control of vehicle doors and windows, making it an ideal solution for car sharing and rental businesses

PINOUT

INPUT 6 **IGNITION (DIN 1)** DIN 2-N/AIN 1 DIN 3/AIN 2 DOUT 3 +10...30 V DC



INPUT 5 1-WIRE DATA L 1-WIRE POWER 1**4** dout 2

FMB130 | 2G

Base model that supports GSM, Quadband 2G network



Advanced trackers with flexible inputs designed for North America



KEY FEATURES

Future-proof network support

Reliable 4G LTE Cat 1 network coverage – guaranteed future-proof network support for your fleet

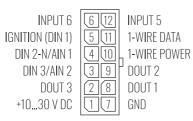
Extensive remote monitoring possibilities

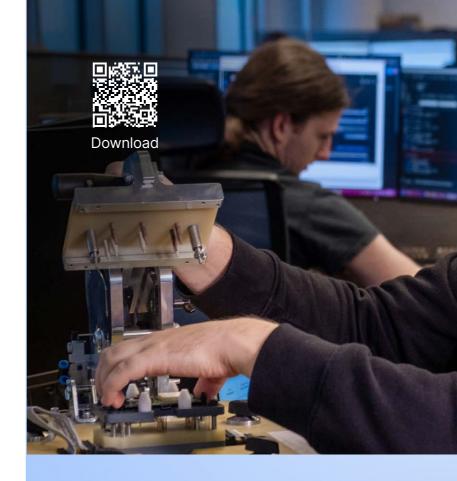
Blocking engine remotely among the numerous available fleet control measures

CAN adapter support

Reading fuel, odometer, RPM, engine temperature, and more data from light and electric vehicles, trucks, buses, and special machinery

PINOUT





TAKE A CLOSER LOOK:

Testing FT devices



FT platform Meet the future of telematic

Teltonika in Brazil Slobal experience with a ocal approach

Telematics in action Let the race (and tracking)

FMB110 2G

Tracker for remote fleet monitoring



KEY FEATURES

Temperature monitoring and more

1-Wire interface to monitor temperature data and RFID/iButton tags

Eco driving scenario

Achieve efficient fuel consumption, prolong vehicle life, and increase road safety with eco driving scenario

Extensive remote monitoring possibilities

Blocking engine remotely among the numerous available fleet control measures

PINOUT

INPUT 6 6 [12] INPUT 5 IGNITION (DIN 1) 1-WIRE DATA l 5 || 11 | DIN 2 1-WIRE POWER IL 4 IL1C DIN 3/AIN 2 DOUT 2 39 DOUT 1 AIN 1 (2 | (8 | +10...30 V DC 17 GND



Trackers for remote fleet monitoring



KEY FEATURES

Temperature monitoring and more

1-Wire interface to monitor temperature data and RFID/iButton tags

Extensive remote monitoring possibilities

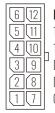
Blocking engine remotely among the numerous available fleet control measures

Operation without external power source

170 mAh backup battery allows device to work without external power source

PINOUT

INPUT 6 IGNITION (DIN 1) DIN 2 DIN 3/AIN 2 AIN 1 +10...30 V DC



INPUT 5 1-WIRE DATA 1-WIRE POWER DOUT 2 DOUT 1 GND



2G tracking devices with a robust IP67 casing and 6-30 V voltage range



KEY FEATURES

Perfect for two-wheelers

Power supply from 6 V makes these devices ideal for all kinds of vehicles, including two-wheelers

Protection against dust and water

Robust IP67-rated casing provides trusted protection against dust and resistance to water

Prolonged autonomous device usage

1,800 mAh Li-ion or 400 mAh Ni-MH back-up batteries for prolonged autonomous usage

PINOUT

⊙ +6...30 V DC

 \odot GND

- IGNITION (DIN 1)
- \odot DIN 2
- \odot DIN 3
- \odot AIN 1

 \odot DOUT 1

- \odot DOUT 2
- ⊙ 1-WIRE DATA
- ⊙ 1-WIRE POWER



Tracker with RS232 interface certified for transport in India



KEY FEATURES

Certified for transport in India

AIS140-compliant tracker for all public transportation systems in India

Protection against dust and water

Robust IP67-rated casing provides trusted protection against dust and resistance to water

Fuel monitoring and more

RS232 serial interface for fuel monitoring and other external data reading

PINOUT

- [+10...30V DC]
- **[GND]**
- [IGNITION (DIN1)]
- [DIN2]
- DOUT1]
- [AIN1/DIN3]
- [RS232-TX]
- **[RS232-RX]**
- [AIN2/DIN4]
- DOUT2]



OBD DATA



INCREDIBLY

small OBD tracking devices for rich connected car applications

HANDY

OBD & OEM data like mileage, RPM, fuel level, and DTC for cost-efficient fleets

supported vehicle models ncluding light vehicles, trucks, EVs. and buses

1,300+





KEY FEATURES

Reading OBD OEM parameters Get real odometer & real fuel level data

Know the supported vehicles and data

Supported vehicle list with all available manufacturer models and parameters

Effortless Plug & Play installation

Simply plug the device in OBD-II port and start tracking

CONNECTIVITY OPTIONS

FMC003 4G

Reliable 4G (LTE Cat 1) connection with fallback to 2G (GSM) network

FMB001 4G

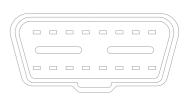
Base model that supports GSM, Quadband 2G network

44

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13	Auto	AL-45.81	215-2019						٠								

1,300+ vehicle models supported: For your convenience, the supported models include 100+ EVs and 1,200+ internal combustion engine vehicles

CONNECTOR



FMB003 2G

Supports both LTE Cat M1 and NB IoT connectivity

Base model that supports GSM, Quadband 2G network



Advanced Plug & Play OBD-II tracker designed for North America



KEY FEATURES

Reliable global coverage

LTE Cat M1 and NB IoT connectivity support – extended coverage for your fleet management needs

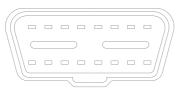
Reading OBD OEM parameters

Get real odometer & real fuel level data

Know the supported vehicles and data

Supported vehicle list with all available manufacturer models and parameters

CONNECTOR





PLAY & LEARN

Convenient playlists for quick navigation



CAN DATA





MULTIPLE

CAN parameters to ensure timely fleet maintenance and service

adapters for CAN bus data reading from all types of transport

SMART

REMOTE



FMC150 4G

Advanced GPS tracker with integrated CAN data processor





KEY FEATURES

Future-proof network support

Reliable 4G LTE Cat 1 network coverage with fallback to 2G – guaranteed future-proof network support for your fleet

CAN data reading from EVs

Bringing new value and expanding usage scenarios with more than 80 supported vehicles in the EV market

Know the supported vehicles and data

Supported vehicle list (over 1,700 and 80 EVs) with all available manufacturer models and parameters

CONNECTIVITY OPTIONS

FMC150 46

Reliable 4G (LTE Cat 1)

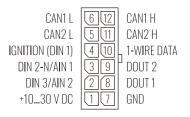
connection with fallback to 2G (GSM) networks

FMM150 M Supports both LTE Cat M1 and NB IoT connectivity



Built-in CAN bus data reading chip: Reading CAN data from light & electric vehicles, trucks, buses, and special machinery

PINOUT



FMB150 | 2G

Base model that supports GSM, Quadband 2G network

FMB240 2G

Tracker with water-resistant IP67 casing



KEY FEATURES

Built-in CAN bus data reading chip

Reading CAN data from light & electric vehicles, trucks, buses, and special machinery

Protection against dust and water

Robust IP67-rated casing provides trusted protection against dust and resistance to water

No additional tools

PINOUT

Innovative click-type two-phase closing with no additional tools needed





Tracker with integrated CAN reader



KEY FEATURES

Built-in CAN bus data reading chip

Reading CAN data from light & electric vehicles, trucks, buses, and special machinery

Helpful wiring guides

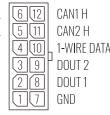
Efficient connection with wiring guides for each supported vehicle

Eco driving scenario

Achieve efficient fuel consumption, prolong vehicle life, and increase road safety with eco driving scenario

PINOUT

CAN1 CAN2 L **IGNITION (DIN 1)** DIN 2-N/AIN 1 DIN 3/AIN 2 +10...30 V DC





New-generation warrantyfriendly CAN adapter for contactless access to CAN bus data



Contactless CAN reading

The device reads up to 100% of available CAN data in 1,000 kb/s

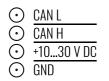
LED indicators

Know exactly if you have installed the adapter properly to define when the data is being transmitted

Warranty-friendly

No physical wire connections - the original wires are intact to make sure you keep car warranty

PINOUT



YOUR GUIDE

for hassle-free CAN data reading







Natch the vide



Light, heavy-duty, and special transport CAN data readers



LV-CAN200

Designed to acquire mileage, fuel level, fuel consumption, RPM, and more parameters from light vehicles, vans, trucks, and buses

LV-CAN200+DTC

Additional feature to read diagnostic trouble codes and help you plan more efficient fleet check-ups

ALL-CAN300

Advanced solution to read over 100 parameters from agriculture, construction, and special transport



1 CAN 1 H 2 CAN 1 L 3 +9...63 V DC 4 GND 5 RS232 TX 6 RS232 RX 7 8 9 CAN 2 L 10 CAN 2 H



CAN data readers for remote control



KEY FEATURES

CAN-CONTROL

Remote control of vehicle doors and windows, making it an ideal solution for car sharing and rental businesses

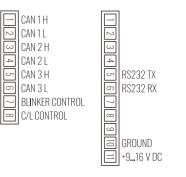
CAN-CONTROL+DTC

Additional feature to read diagnostic trouble codes from the vehicle ECU and react fast in case of malfunction

CAN-CONTROL+IMMO

The option with the engine block feature to immobilize a vehicle without a relay installation, saving integration cost





E-MOBILITY

EXCELLENT

solutions for e-motorbikes, e-scooters, e-bikes, and e-forklifts

PERFECT

for fleet managers in corporation sharing, delivery, and other businesses

power supply up to 97 V for a wide variety of high-voltage machinery

SOLID



TFT100 2G

Tracker with high-voltage support for e-mobility & heavy machinery



KEY FEATURES

Easily adapted

Data reading without additional firmware changes or any externally connected devices with CAN, RS232, RS485, and UART interfaces

Extended product usage scenarios

Bluetooth® LE-based wireless connection of external devices, including BLE beacons and sensors, to monitor temperature, humidity, magnet detection, and movement

Protection against dust and water

Use it anywhere, as the IP67-rated casing provides water and dust resistance for usage in harsh conditions

PINOUT

\odot	Red +1097 V DC	
\odot	Black GND	
\odot	Yellow 1 WIRE POWER	
\odot	White/Green CAN-H	
\odot	White CAN-L	
\odot	Grey AIN2/DIN2	
\odot	White/Orange DOUT1/DIN3	
\odot	Violet DOUT2/DIN4	
\odot	Green AIN1/DIN1	
\bigcirc	Blue	

○ 1-WIRF DATA

INSIDE THE BOX

Unboxing the ultimate e-mobility & heavy machinery tracker



[FT100 ₿

GSM/GNSS TERMINAL



Watch the video

PROFESSIONAL



HASSLE-FREE

tachograph files download for driver time and heavy-duty transport management

EFFECTIVE

CAN bus data reading, diagnostics, and maintenance

COMPREHENSIVE

solutions to connect various external equipment for the most complex use cases







Trackers with high capacity backup battery and RS232, RS485 serial communication interfaces to connect external devices



KEY FEATURES

Reliable global coverage and separate GNSS module

Reliable 4G connection with fallback to 2G network ensures wide-ranging coverage of your fleet management needs. This model uses a separate module to gather GNSS data and has dual-channel, L1 + L5 support

Remote download of tachograph files and live data

Tachograph live data reading via K-Line, Tacho CAN, or FMS connections for everyday driver management and fleet efficiency

CAN data reading from heavy vehicles and special machinery

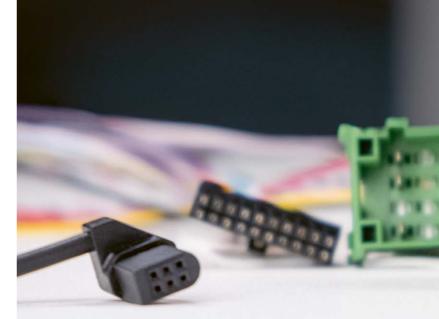
Read J1939 data that includes standard CAN FMS from heavy vehicles like trucks and raw J1939 data from special machinery, such as construction cranes or electric buses. Possibility to connect to CAN line with multiple nodes

PINOUT

AIN 3	10 20	K-Line
DOUT 2	9 19	DOUT 1
DOUT 3	8 18	DOUT 4/AIN 4
AIN 2	717	AIN 1
CAN2 LOW	6 16	_ CAN2 HIGH
DIN 2	5 [15]	^{_J} DIN 1
DIN 4	4 14	DIN 3
WIRE POWER	3 13	1-WIRE DATA
CAN1 LOW	2 12	CAN1 HIGH
GND	1 (11	+832 V DC

SAVE YOUR TIME

Quick connection of PRO devices







Learn more

For the complete list of cables and order codes, please refer to page 100

60000044

FMB641 2G

Tracker with tachograph and CAN data reading capability



KEY FEATURES

Remote download of tachograph files and live data

Tachograph live data reading via K-Line, ALL-CAN, Tacho CAN, or FMS connections for everyday driver management and fleet efficiency

CAN data reading from heavy vehicles and special machinery

Read J1939 data that includes standard CAN FMS from heavy vehicles like trucks and raw J1939 data from special machinery, such as construction cranes or electric buses

Connecting external devices

2x RS232 and 1x RS485 serial communication interfaces for connecting external devices, such as thermographs, sensors, RFID readers, and more

PINOUT

AIN 3	10 20	K-Line
DOUT 2	9 19	DOUT 1
DOUT 3	8 18	DOUT 4/AIN 4
AIN 2	717	AIN 1
CAN2 LOW	6 16	, CAN2 HIGH
DIN 2	5 15	din 1
DIN 4	4 14	DIN 3
WIRE POWER	3 []3	1-WIRE DATA
CAN1 LOW	2 12	CAN1 HIGH
GND	1 11	+832 V DC



Water-resistant trackers with RS485 and RS232 interfaces



KEY FEATURES

Future-proof network support

Reliable 4G LTE Cat 1 network coverage with fallback to 2G – guaranteed future-proof network support for your fleet

Protection against dust and water

Robust IP67-rated casing provides trusted protection against dust and resistance to water

Significantly lower roaming costs

Dual SIM considerably reduces roaming costs

PINOUT

INPUT 6 IGNITION (DIN 1) RS232-TX RS232-RX AIN 1 +10...30 V DC





KEY FEATURES

Future-proof network support

Reliable 4G LTE Cat 1 network coverage with fallback to 2G – guaranteed future-proof network support for your fleet

Fuel monitoring and more

RS232, RS485 serial interfaces for fuel monitoring and other external data reading

Significantly lower roaming costs

Dual SIM considerably reduces roaming costs

CONNECTIVITY OPTIONS

FMC125 | 4G

Reliable 4G (LTE Cat 1) connection with fallback to 2G (GSM) networks

FMB125 | 2G

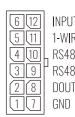
Base model that supports GSM, Quadband 2G network (external GNSS antenna) FMM125 M1 Supports both LTE Cat M1 and



Teltonika DualCam support: Connecting via RS232 to get videos and pictures of the events that might happen on the road or inside a vehicle

PINOUT

INPUT 6 IGNITION (DIN 1) RS232-TX RS232-RX AIN 1/DIN 2 +10...30 V DC



INPUT 5 1-WIRE DATA RS485-B RS485-A DOUT 1 GND

FMB125 | 2G

Supports both LTE Cat M1 and NB IoT connectivity

Base model that supports GSM, Quadband 2G network (internal GNSS antenna)

ASSETS & WORKFORCE

RELIABLE

tracking of non-powered assets and equipment for enhanced safety

EXTRA

security against theft and misplacement of your valuable

rackers to ensure the safety c one workers and vulnerable

AUTONOMOUS

TELTONIKA | Telematics





TAT240 4G

Tamper-proof asset tracker with 4G LTE Cat 1 connectivity



KEY FEATURES

Tamper alerts for maximum safety

Reliable magnetic tamper detection ensures the topmost safety of your assets

Movement-based periodic reports

Define your own data sending frequency based on whether your assets are moving

Easy magnetic mounting

Attach the device firmly and effortlessly with the included magnetic mounting holder

Backup tracking the easy way

Ideal to be used as a backup tracker – easy to hide anywhere in a vehicle thanks to a compact size, while sleep mode protects against detecting tracker by thieves

TAMPERING DETECTED!

Increase your asset safety with tamper-proof TAT240



Read more



TAT141 M1

Asset tracker with 4G LTE Cat M1 connectivity



KEY FEATURES

Periodic location reports

Define your own data sending scenarios by the type of the asset you are tracking or a dedicated use case

Backup tracking the easy way

Quick set-up with Teltonika vehicle tracking devices to use TAT141 as a backup tracker for your transport's maximum safety

Effortless installation

Several mounting options to ensure fast and simple installation without any wires

Protection in extreme weather conditions

The IP68-rated enclosure ensures reliable operation in any climate and under severe temperature deviations



Asset trackers with a waterproof IP68-rated casing



KEY FEATURES

Periodic/scheduled reports

Define your own data sending scenarios by the type of the asset you are tracking or a dedicated use case

Backup tracking the easy way

Quick set-up with Teltonika vehicle tracking devices to use as a backup tracker for your transport's maximum safety

Protection against water and dust in extreme weather conditions

The IP68-rated enclosure ensures reliable operation in any climate and under severe temperature deviations

Up to 3 years battery lifetime*

Sending records once a day using cellular networks, offline modes, and battery saving scenarios for various asset tracking

GH5200 2G

Tracker for personal security and workforce management



KEY FEATURES

Two-way voice communication

Supporting up to 5 call/SMS recipients allows to transmit a text message or initiate a call instantly when immediate help is needed

Configurable buttons

5 programmable buttons can be used for amber alert, action-on-call, on-demand tracking, and many other events

Built-in man-down, alarm & no-movement detection

Special pre-programmed scenarios to ensure personal safety of lone workers and vulnerable people

Small in size & comfortable to wear

Slim design for convenient everyday use as an ID card holder that can be put on a neck or a belt



Autonomous mini GPS tracker for personal security



KEY FEATURES

Easy to reach emergency button

Instant alert messages to make a call for help in case of any incidents

Extended product usage scenarios

Bluetooth® LE-based wireless connection of external devices, including BLE beacons and sensors, to monitor temperature, humidity, magnet detection, and movement

Built-in man-down, alarm & no-movement detection

Special pre-programmed scenarios to ensure personal safety of lone workers and vulnerable people

Protection against dust and water

Use it anywhere, as the IP67-rated casing provides water and dust resistance for usage in harsh conditions

VIDEO TELEMATICS

INNOVATIVE

ways to increase significantly the safety of drivers and passengers

EXTENSIVE

features to ensure compliance with traffic rules by monitoring driver behaviour videos & photos that capture the events occurring on the roads

INVALUABLE





Driver safety and monitoring solution – PROFESSIONAL tracker and DSM camera to avoid accidents with visual monitoring functionality



KEY FEATURES

Driver notification on drowsiness, distraction, and yawning

Notifying a driver immediately with a sound alert whenever any of the integrated warning conditions are detected, such as drowsiness, yawning, distraction, smoking, phone use, or not using seat belt

128 GB for offline video storage

With up to 128 GB data storage, extensive videos are available to have full information what has happened before, during, and after the events you are interested in

Sleek and compact design

Small design provides a practical and effective solution for capturing footage while driving – positioned discreetly in the vehicle's A-pillar, it ensures that driver's front view remains clear

Periodic photo sending

Get the requested photo or set periodic image sending to the server to track and analyse events in real time as well as monitor visual data, such as pictures of events

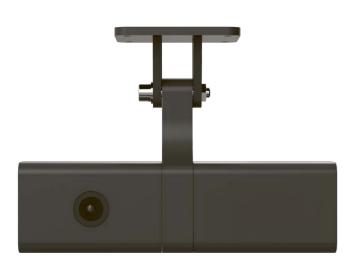
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INSTANT ALERTS

to keep driver focused and avoid accidents



Road video monitoring solution



KEY FEATURES

Valuable visual data

Perfect for capturing both videos and photos before and after events

Data when you need it

Sending videos and photos to a dedicated server periodically or by request on chosen scenarios

Front view camera

Front camera is used to record videos of events that might happen on the road

Video file delivery to your server

Dash camera supports High Efficiency Video Coding H.265 to transmit high-quality files to your server on the cloud

FORWARD-FACING

GDPR and similar law-compliant video solution



In-cabin and road video monitoring solution



KEY FEATURES

Two cameras in one housing

Front and rear cameras are used to record videos of events that might happen on the road or inside a vehicle

Valuable visual data

Perfect for capturing both videos and photos before and after events

Data when you need it

Sending videos and photos to a dedicated server periodically or by request on chosen scenarios

Video file delivery to your server

Dual camera supports High Efficiency Video Coding H.265 to transmit high-quality files to your server on the cloud

ADAS

Designed to avoid collisions and accidents with visual monitoring functionality





KEY FEATURES

Video & photo by request

Get requested photo or video from ADAS or set periodical image sending to the server to track and analyse events in real time as well as monitor visual data (pictures or video) of events.

Contactless CAN bus connectivity

Many vehicles are available in database for using the CAN bus for turn signals, brake and speed sense etc. This makes for a much faster installation for ADAS solutions users.

Periodic photo sending

Set periodic image sending to the server. Fleet managers and dispatchers will have the latest data and access to potential collisions or common mistakes on the road.



Extended product usage scenarios

For better investigation of different events, you can request video and have full information what has happened before, during, and after all events you are interested in.

SENSORS & BEACONS



STUNNING



EYE SENSOR

Bluetooth[®] LE sensor for various application scenarios



KEY FEATURES

Sensors

Accelerometer, temperature, humidity, and magnet detection for numerous scenarios

Water-resistant casing

Robust IP67-rated casing for enhanced device longevity

Long lifetime

Up to 5 years battery lifetime to reduce financial and environmental cost

Data protocols

Eddystone, iBeacon, and Custom protocols to make it suitable for applications you need

EYE app

Intuitive Teltonika mobile app for prompt configuration and data scanning

EYE BEACON

Bluetooth[®] LE ID beacon with long lifetime battery



KEY FEATURES

Long lifetime

Up to 10 years battery lifetime to reduce financial and environmental cost

Water-resistant casing

Robust IP67-rated casing for enhanced device longevity

Data protocols

Eddystone, iBeacon, and Custom protocols to make it suitable for applications you need

EYE app

Intuitive Teltonika mobile app for prompt configuration and data scanning



Bluetooth® ID beacons and sensors to keep an eye on your assets in hazardous environment

KEY FEATURES

Locate your assets in hazardous environment

Always know the whereabouts of your assets, including the facilities in oil, gas, and chemical industries

Enhanced robustness

ATEX-certified EYE devices are additionally reinforced for use in challenging conditions

Smart design

Compact EYE devices can be conveniently mounted in 4 different ways, while IP67-rated casing ensures reliability and durability

EYE app

Intuitive and easy-to-use Teltonika mobile app for prompt configuration and data scanning



devices to use in hazardous environment



SOLUTIONS

EFFICIENT

ways to configure, update, and download files from tracking devices

COMPLETE

web solution for downloading and managing digital tachograph files

tools to find answers and become an expert of tracking devices

REFERENCE

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		elving driver tag out the	
	of the trip. It allows the		
to beginnin	ng to the end of		10
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Features

FOTA WEB

Remote device management solution



Easy start

Access all your recently purchased devices without any configuration required

Automation

Scale deployment and update process by sending the configuration templates and firmware to an unlimited number of devices by just a few clicks

Grouping

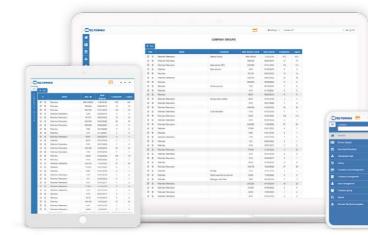
Create multilevel account structure and group your devices the way it fits your operations

History

Keep track of all the tasks performed in FOTA WEB and the status of the update for each device



Dedicated platform to automate remote tachograph download and assure regulation compliance



About

Teltonika Telematics WEB TACHO, a remote tachograph data file management solution, is easily manageable and does not require any complex software – everything is accessible via a web page, you can download tachograph files from any place and from any PC with internet access

Schedules

Downloads will be made based on configured schedule

Secure file storage

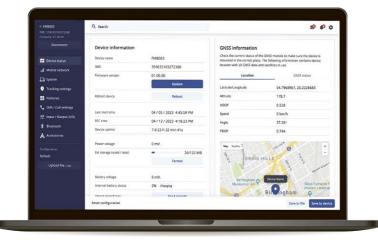
Tachograph data is stored on our secured data server and can be accessed only by authorised users

Multiple formats

European DDD, Spanish TGD, and French VB, CB



Innovative Telematics Configuration Tool unlocking the full potential of our devices



Auto update

The latest TCT version is delivered directly to your PC

User-friendly

Device settings is easy for newbies and professionals alike

Parameter search

Get directly to the settings you need

Setup wizard

Let TCT guide you through the configuration process



Telematics Configuration Tool

AUTOMATIC UPDATE

Get notified about software updates and use a single version of TCT for all supported devices

Cargan

SETUP WIZARD

Let TCT walk you through basic setup steps and get useful configuration tips



Connect tracking devices anywhere



About

Teltonika Telematics prepaid SIM and eSIM Connectivity Solution makes IoT simple, connecting Teltonika devices anywhere in the world and enabling device as well as SIM card management through a state-of-the-art IoT platform

500 MB, 5 years, 134 countries

With the prepaid Global Plan, you get 500 MB of data to be used for the whole 5 years in 134 world countries

Free & unlimited SMS

In all covered countries, SMS messages within the IoT Platform are unlimited and cost nothing

eSIM availability

eSIM is a smart, rewritable, and multinetwork module that can be soldered on a device directly, enabling remote SIM provisioning with SIM ID change on the go



The essential part of the Iridium Connected® telematics solution



Satelite network

Complete mobile connectivity with satellite network as a fallback

Industrial standard

RS232 is a viable choice in many scenarios due to its robustness, simplicity, and noise immunity

Worldwide coverage

Iridium satellite network with pole-to-pole coverage

Protection against dust and water

Robust IP67-rated casing provides trusted protection against dust and resistance to water





A wide range of accessories, which are fully compatible with Teltonika Telematics products, enormously expands device use cases and creates considerable added value for your business.

CAN ADAPTERS

ALL-CAN300





CAN-CONTROL Order code: CANCONGHCZ01



ECANO2 Order code: ECAN02000001



LV-CAN200 Order code: LV-CAN4P1201





OBD-II Y SPLITTER CABLE Order code: PPCB00007460

READERS & HOLDERS





1-WIRE RFID READER Order code: PPEX00000880

Order code: PPEX0000060

IBUTTON

POWER CABLES





Order code: PPCB00000250



AAAAAAA

MULTI CHARGING DOCKING STATION

Order code: PPPS00003650

DATA CABLES

Order code: ALC3004P4501



CARRIER REEFER CABLE Order code: PPCB00000460



FMS CABLE Order code: PPCB00000500



TACHO CABLE Order code: PPCB00000300

TACHOGRAPH FRONT PANEL CABLE Order code: PPCB00000430











ID BADGE REEL WITH CLIP Order code: PPEX00003540



TMT250 HOLDER Order code: PPCA00003590



OBD-II POWER CABLE (FEMALE) Order code: PPW50000110

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POWER CABLES



OBD-II CONNECTION Extension Cable

Order code: PPCB00000140

POWER CABLE WITH CLAMP CONNECTORS

Order code: PPWS00000680



TMT250 MAGNETIC USB CABLE Order code: PPCB00003570



WALL CHARGER (EU) Order code: PPPS00003660



OTHER



IP67 CASING Order code: PGCA00001810



IRIDIUM EDGE® Order code: PPP0000003180



Order code: PPCB00000300

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ACCESSORY COMPATIBILITY

Sensors & Beacons	FMC880	FMM880	FMT100	FMC800	MBD20	FMB010	FMP100	FMB930	FMC920	:MM920	FMB920		EMRGES	MC234	MC230	FMM230	FMB230	FMC130	MM130	-MB130	FMC13A	FMM I 3A	FMB110	FMB120	FMB122	MB202	FMB204	FMB209 FMCDD3	MM003	FMB003	FMB001	FMM00A	FMC150	FMM150	FMB240	FMB140	TFT100	:MC650	FMM650	FMB641	FMC225	FMB225	FMC125	MM125	CZ LANH	TAT240	TAT140	GH5200	TMT250
EYE Sensor					 					_			_							_						_								_	_			_		_									
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Teltonika DualCam																																						·			•	•	•	•	•				
CAN adapters																																																	
ALL-CAN300														•	•	•	•	•	•	•		•	•	•	•													•	•	•	•	•	•		•				
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Carrier reefer cable																																						•	•	•									
FMS cable																																						•	•	•									
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Tacho cable																																						•	•	•									
Tachograph front panel cable																																						·	•	·									
Readers & holders																																																	
1-Wire RFID reader														•	•	•	•	•	•	•	•	•	•	•	•	•	•						•		•	•	•	•	•	•	•	•	•		•				
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ID badge reel with clip																																																•	
TMT250 holder																																																	•
Power cables															_									_					_									_		_		_							
12-pin power cable for cigarette lighter socket																		•	·	•	•		•	•	•																		•	• •	•				
FMB9yx 1.5 m power cable with fuse																																																	
Multi charging docking station																																																•	
OBD-II power cable (female)					 •	•																						•	•	•	•	•																	
OBD-II connection extension cable				• •	 • •	•																						•	•	•	•	•																	
Power cable with clamp connectors														•	•	•	•	•	•	•	•	•	•	•	•																•	•	• •		•				
TMT250 magnetic USB cable																																																	•
Wall charger (EU)																																																•	•
Relay with wires for immobilizing								•	•	•		•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•					•		•	•	•	•	•	•	•	•	•	• •	•				
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¹ Can be used in combination with LV-CAN200, ALL-CAN300, and for FMS data reading.

PRODUCT COMPARISON

ardware	FMC880	FMM880	FMT100	FMM800	FMM80A	FMB020	FMBUTU	FMB930	FMC920	FMM920	FMB920	FMB910	FMB9UU	FMID300 FMC234	FMC230	FMM230	FMB230	FMC130	FMM130	FMB130	FMC13A	FMM13A	FMB110	EMR120	FMB122	FMB202	FMB204	FMB209	FMM003	FMB003	FMB001	FMM00A	FMC150	FMM150	FMB150	FMB24U FMB140	TF100	FMC650	FMM650	FMB641	FMC225	FMB225	FMC125	FMM125	FMB125	TAT240	1A1141 TAT100	TAT140	GH5200
Ilular connectivity	4G	M1	2G 4	G M1	M1	2G 2	G 2G	3 2G	4G	M1	2G 20	G 2	G 20	G 4G	4G	M1	2G	4G	M1	2G	4G N	v11	2G	20	2G	2G	2G	2G 4	Э M1	2G	2G	M1	4G	M1	2G 2	G 20	6 2G	4G	M1	2G	4G	2G	4G	M1 2	2G	4G 1	11 2G	4G	2(
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D-II data	•3	•3	•3	3 •3	•3	•3 •	,3 .3	J _3	•3	•3	•3 •	•3 •	•3 •	3 .3	•3	•3	•3	•3	•3	•3	•3	• 3	•3	•3	•3	•3	•3	•3			•	•	•3	•3	•3 •	,3 .3		•3	•3	•3	•3	•3	•3	•3	•3	_		_	
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l - Internal antenna. E - External antenna. ⁵ Configurable alarm button. ⁶ Additionally digital LLS is supported.

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