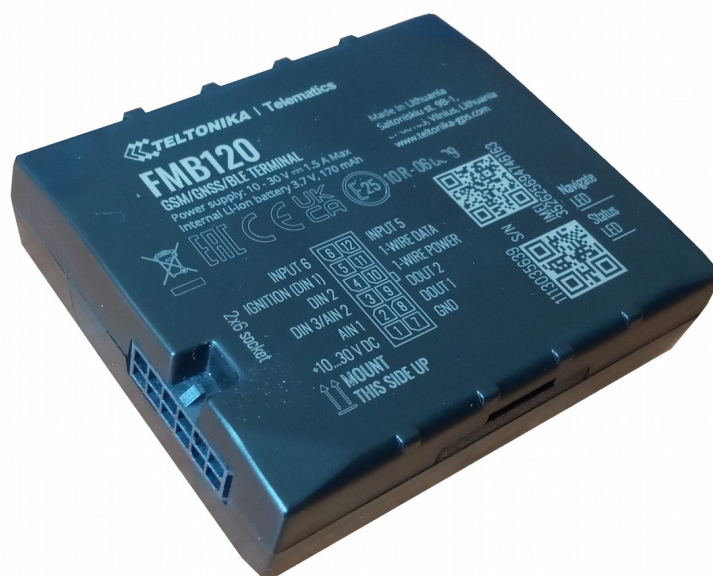


# Specyfikacja samochodowego terminala GPS

## typ: FMB120 AKU



**FMB120 AKU****Opis ogólny**

Terminal FMB120 to nowoczesne urządzenie dedykowane do e-TOLL (OBU). Zostało wyposażone w łączność Bluetooth, wewnętrzne anteny GPS i GSM oraz w zintegrowaną baterię. Zostało zaprojektowane do śledzenia pojazdów. Zastosowania to: telematyka ubezpieczeniowa, wynajem samochodów, odzyskiwanie skradzionych samochodów, usługi bezpieczeństwa publicznego, transport dostawczy, taksówki i wiele innych.

**MODULE**

Name	FMB120
Technology	GPS, GPRS, SMS, Bluetooth

**GNSS**

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBm
Accuracy	< 2.5m CEP
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

**CELLULAR**

Technologia	GSM
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
Data support	SMS (text/data)

**POWER**

Input voltage range	10 - 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Ion battery 3.7 V (0.63 Wh)

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Power consumption	At 12V < 6 mA (Ultra Deep Sleep) At 12V < 8 mA (Deep Sleep) At 12V < 11 mA (Online Sleep) At 12V < 20 mA (GPS Sleep) At 12V < 35 mA (nominal)
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## BLUETOOTH

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Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors support

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## INTERFACE

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Digital Inputs	3
Digital Outputs	2
Analog Inputs	2
CAN Adapter inputs	1
1-Wire	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Micro-SIM + eSIM
Memory	128MB internal flash memory

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## PHYSICAL SPECIFICATION

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Dimensions	65 x 56,6 x 18,9 mm (L x W x H)
Weight	55 g

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## OPERATING ENVIRONMENT

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Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41

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Battery charge temperature	-0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months

## CERTIFICATION & APPROVALS

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Regulatory	CE/RED, E-Mark, EAC, RoHS, REACH
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