

Item no.: 360999

## Professional LTE/GNSS/BLE Terminal

**from 119,27 EUR**Item no.: 360999  
shipping weight: 0.20 kg  
Manufacturer: Teltonika

### Product Description

Teltonika FMC650 is a direct successor to current most popular 4G PROFESSIONAL lineup device – FMC640. FMC650 has 4G (LTE Cat 1) network coverage including 2G (GSM) fallback compatibility. Device equipped with GNSS and LTE modules, external GNSS and LTE antennas. Separate GNSS module improves the accuracy of the track, making FMC650 more suitable for free flow electronic tolling system integration. Compared to FMC640 – FMC650 has a new processor that improves the devices computation power along with increased device internal memory it can be tailored to more specific use cases. Switchable CAN terminators that will allow you to use the device in CAN network with numerous nodes. Lastly, it can be powered via USB for easier configuration process. All the features that are supported by FMC640 is also supported by FMC650, therefore it will maximize your fleet efficiency with features like FMS CAN data (J1939), fuel CAN data (J1708), tachograph live data (K-Line), remote tachograph file download, various third party RS232 or RS485 devices support and Dual-SIM or eSIM compatibility. Terminal is suitable for applications like international logistics, refrigerated transport, agriculture, construction & mining, security & emergency services and even more.

ModuleName: MeiG SLM320 -PE2C, MeiG SLM320-L16A Technology: LTE (Cat. 1)/ 2G (GSM/GPRS)

#### GNSS

- Module name: Airoha AG3335MB
- GNSS: GPS, GLONASS, GALILEO, BEIDOU, QZSS
- Receiver: L1 and L5 dual-band GNSS receiver
- Tracking sensitivity: -162 dBm
- Position accuracy: < 2.5 CEP
- Hot start: < 1.5 s
- Warm start: < 25 s
- Cold start: < 32 s

#### Cellular

- Technology: LTE Cat 1, GSM
- 2G bands: SLM320-PE2C: B2/B3/B5/B80, SLM320-L16A: B2/B3/B5/B8
- 4G bands: SLM320-PE2C: LTE-FDD:B1/B3/B7/B8/B20/B28, LTE-TDD:B38/B40/B41; SLM320-L16A: LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B20/B28, LTE-TDD:B40
- Data transfer: LTE FDD: Max. 10 Mbps (DL)/max. 5 Mbps (UL); LTE TDD: Max. 8 Mbps (DL)/max. 2 Mbps (UL); GPRS: Max. 85.6 Kbps (DL)/max. 85.6 Kbps (UL)
- Data support: SMS (text/data)

#### Power

- Input voltage range: 8 - 32 V DC with overvoltage (compatible with pulse 5a and pulse 5b) and reverse polarity protection
- Internal back-up battery: 550 mAh Ni-Mh, 8,4 V battery

#### Bluetooth

- Name: Blue NRG232
- Specification: 5.0 + LE
- Supported peripherals: Temperature and humidity sensor, universal BLE sensors support

#### Physical Specification

- Dimension: 104,1 x 76,8 x 31,5 mm (L x W x H)
- Weight: 197 g

#### Operating Environment

- 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
- Battery storage temperature: -20°C to +45°C

#### Interface

- Digital inputs: 4
- Digital outputs: 4
- Analog inputs: 4
- 1-Wire: 1
- RS232: 2
- RS485: 1
- CAN J1939: 2
- J1708: 1
- K-line: 1
- GNSS antenna: External high gain (L1+L5)
- GSM antenna: External high gain
- USB: 2.0 Mini-USB – device can be powered by USB for easier device configuration
- LED indication: 2 status LED lights
- SIM: 2x SIM card (Dual-SIM) or 1x eSIM
- Memory: 16 MB internal flash memory and external Micro SD card up to 32 GB
- Switchable CAN terminators: Supported on CAN1 and CAN2 lines

#### Features

- Movement detection: Accelerometer
- Scenarios: Green/Eco Driving, Over Speeding detection, Jamming detection, Excessive Idling detection, Towing detection, Crash detection, Immobilizer, iButton Read Notification
- Functionalities: Auto Geofencing, Manual Geofencing, Trip detection, Odometer, Fuel counter, GNSS Unplug Detection, DDD download and Tacho online data, Offline tracking
- Supported peripherals: Garmin, RFID RS232, RFID 1-Wire, iButton 1-Wire, Temperature 1-Wire, LV-CAN200, ALL-CAN300, CAN-CONTROL, CAN FMS (J1939, J1708), K-line data, Continental tire pressure measurement sensor, Iridium SBD (TSM232), Carrier freezer, Log Mode, NMEA, TCP ASCII/Binary, Temperature and humidity sensor, universal BLE sensors support
- Sleep modes: GPS Sleep, Online Deep Sleep, Deep Sleep
- Configuration and firmware update: FOTA Web, FOTA, Teltonika Configurator
- SMS: Configuration, Events, DOUT control, Debug
- GPRS commands: Configuration, DOUT control, Debug
- Time synchronization: GNSS, NITZ, NTP
- Fuel monitoring: LLS (Analog), Digital LLS (RS232, RS485), LV-CAN200, ALL-CAN300, CAN-CONTROL, CAN FMS, Ultrasonic level sensor
- Ignition detection: Digital input, accelerometer, external power voltage

#### Certification & Approvals

- Regulatory: CE/RED, E-Mark in progress

#### Specifications

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All details, up-to-date  
prices and availability

