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| Module | |
| Name | MeiG SLM320-L16A, MeiG SLM320-PE2C, TM2500 |
| Technology | LTE(Cat1)/2G(GSM/GPRS)/GNSS/BLUETOOTH |
| GNSS | |
| GNSS | GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS |
| Receiver | 33 channel |
| Tracking sensitivity | -165 dBm |
| Accuracy | < 3 m |
| Hot start | < 1 s |
| Warm start | < 25 s |
| Cold start | < 35 s |
| Cellular | |
| Technology | LTE Cat 1, GSM |
| 2G bands | MeiG SLM320-PE2C: GSM: B2/B3/B5/B8 MeiG SLM320-L16A: GSM: B2/B3/B5/B8 |
| 4G bands | MeiG SLM320-PE2C: B1/B3/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 MeiG SLM320-L16A: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD: B40 |
| Data transfer | 17/170000ESV/000ESV8/ 17(70000ESV/000ESV8/ 6035600[ESV/0D[ESV8/ |
| Transmit power | Class 4 for GSM850/900: 23±2dBm Class 1 for GSM1800/1900: 20±2dBm Class 3 for LTE-TDD: 23±2.7dBm Class 3 for LTE-FDD: 23±2.7dBm |
| Data support | 606WHVGDWD |
| 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) |
| Power consumption | At 12V < 3 mA (Ultra Deep Sleep) At 12V < 5 mA (Deep Sleep) At 12V < 16 mA (Online Deep Sleep) At 12V < 18 mA (GPS Sleep) At 12V < 33 mA (nominal with no load) W90DZLWKO/RDG3HDN |
| Bluetooth | |
| Bluetooth | 4.0 + LE |
| Supported peripherals | Temperature and Humidity sensor, Inateck Barcode Scanner, Universal BLE sensors support |

Physical specification

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| Dimensions | 67,2 x 49,6 x 25 mm (L x W x H) |
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Interface

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|----------------|---------------------|
| Connection | OBDII Socket |
| GNSS antenna | Internal High Gain |
| GSM antenna | Internal High Gain |
| USB | 2.0 Micro-USB |
| LED indication | 2 status LED lights |
| SIM | Micro-SIM |

OBD Interface

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|--------------|---|
| Data | HS CAN, MS CAN, SW CAN, K-line |
| Data reading | OEM Fuel level, odometer and up to 32 vehicle onboard parameters, supported OBD protocols: ISO 9141-2 (5 baud init, 10.4 kbaud) ISO 14230-4 KWP (5 baud init, 10.4 kbaud) ISO 14230-4 KWP (fast init, 10.4 kbaud) ISO 15765-4 CAN (11 bit ID, 250 kbaud) ISO 15765-4 CAN (11 bit ID, 500 kbaud) ISO 15765-4 CAN (29 bit ID, 250 kbaud) ISO 15765-4 CAN (29 bit ID, 500 kbaud) ISO 14229 (UDS) J2819 (VW TP2.0) |

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 |
| Battery charge temperature | +10 °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 |

Features

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|-----------------------------------|---|
| Sensors | Accelerometer |
| Scenarios | Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip |
| Sleep modes | GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep |
| Configuration and firmware update | FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (Configuration) |
| SMS | Configuration, Events, Debug |
| GPRS commands | Configuration, Debug |
| Time Synchronization | GPS, NITZ, NTP |
| Fuel monitoring | OBDII, OEM fuel level |
| Ignition detection | Accelerometer, External Power Voltage, Engine RPM |

Certifications & Approvals*

Regulatory CE RED, E-Mark, RCM, KC, NCC

*Certification in progress. RCM, KC, NCC certificates will be done only for T-003