

# Teltonika: RUT240

## SENSORS AND INTERFACES

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Accelerometer                     |                                    |
| 3D G sensors                      |                                    |
| GNSS (GPS)                        |                                    |
| GLONASS (GPS)                     |                                    |
| A-GPS                             |                                    |
| Real time Clock                   |                                    |
| Temperature Sensor                | internal                           |
| LAN/Ethernet                      | 10/100 Mbps                        |
| USB                               |                                    |
| RS 232                            |                                    |
| RS 485                            |                                    |
| NTC                               |                                    |
| PT1000                            |                                    |
| 0...10 V                          |                                    |
| 4...20 mA                         |                                    |
| I2C Bus                           |                                    |
| Digital In                        | 1                                  |
| Digital Out                       | 1                                  |
| CAN                               |                                    |
| LIN Bus                           |                                    |
| 1-Wire                            |                                    |
| SPI                               |                                    |
| Analog to Digital Converter       |                                    |
| Audio In/Out                      |                                    |
| SIM-Slot                          | 1x2FF                              |
| Processor                         | Atheros Hornet, MIPS 24Kc, 400 MHz |
| Storage                           | 64 MB DDR2 RAM, 16 MB SPI Flash    |
| Other Interfaces/sensors/comments |                                    |

## CONNECTIVITY

|  |  |
|--|--|
| GSM  | Yes  |
| 2G   | <b>EMEA:</b> B3, B8<br><b>LATAM:</b> B2, B3, B5, B8  |
| 3G   | <b>EMEA:</b> B1, B8<br><b>US T-Mobile &amp; ATnT:</b> B2, B4, B5<br><b>AU:</b> B1, B5<br><b>LATAM:</b> B1, B2, B5, B8<br><b>JAPAN:</b> B1, B6, B8, B19   |
| LTE  | <b>EMEA:</b> LTE-FDD B1, B3, B7, B8, B20, B28A<br><b>US T-Mobile &amp; ATnT:</b> LTE-FDD B2, B4, B12<br><b>US Verizon:</b> LTE-FDD B4, B13<br><b>AU:</b> LTE-FDD B1, B3, B5, B7, B28<br><b>LATAM:</b> LTE-FDD B1, B2, B3, B4, B5, B7, B8, B28; LTE-TDD B40<br><b>JAPAN:</b> LTE-FDD B1, B3, B8, B18, B19, B26; LTE-TDD B41 |
| GSM connectivity in areas with poor signal |  |
| Fixed Line Connectivity                    | No   |
| Bluetooth                                  | No   |
| WLAN                                       | 802.11n  |
| Other                                      |  |

## PROTOCOL LAYER/Framework

|              |             |
|--------------|-------------|
| Ethernet/IP  | 10/100 Mbps |
| Modbus TCP   | Yes         |
| Modbus RTU   | No          |
| CAN Bus      |             |
| OPC-UA       |             |
| Rockwell     |             |
| Siemens Logo |             |
| Siemens S7   |             |
| Other        |             |



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## PHYSICAL DEVICE CHARACTERISTICS

|                                |                             |
|--------------------------------|-----------------------------|
| Maximum Device Size            | 83 mm x 74 mm x 25 mm       |
| Switchboard Installation       | Yes                         |
| DIN Rail mounting              | Yes                         |
| Maximum IP Class               | IP30                        |
| Operating Temperature          | -40 °C to 75 °C             |
| Storage Temperature            | -45 °C to 80 °C             |
| Operating Humidity             | 10 % to 90 % non-condensing |
| Storage Humidity               | 5 % to 95 % non-condensing  |
| Other physical characteristics | Metal housing               |

## ELECTRICAL CHARACTERISTICS

|                                   |          |
|-----------------------------------|----------|
| Rechargeable battery              | No       |
| Usage with one battery (capacity) | No       |
| Power Supply                      | 9-30 VDC |
| Other                             |          |

## CERTIFICATION

|                    |                            |
|--------------------|----------------------------|
| CE and WEEE        | Yes                        |
| E-mark             | No                         |
| FCC                | Yes                        |
| ECE                | No                         |
| IC                 | Yes                        |
| RCM                | Yes                        |
| RED                | Yes                        |
| R&TTE              | N/A                        |
| PTCRB              | Yes                        |
| Lithium Battery CB |                            |
| Other Certificates | EAC, CCC, RoHS, GCF, REACH |

## CLOUD OF THINGS USE CASE

|   |   |
|---|---|
| Dependent on the implemented agent (project specific) |   |
| Self-registration                                     | Yes, initial registration manual          |
| Reboot device   | Yes                                       |
| Measurement values                                    | Yes                                       |
| Update device data                                    | Yes                                       |
| Update device configuration                           | Yes                                       |
| TLS support   | Yes                                       |
| Connection continuation                               | Yes                                       |
| Events will be sent to client                         | Yes                                       |
| Alarms will be sent to client                         | Yes                                       |
| Tracking data will be sent to backend                 |   |
| Configuration settings can be changed via CoT         |   |
| Remote Control  | WebUI, SMS, SSH, CLI, RMS, SNMP, JSON-RPC |
| Stability Test  | Yes                                       |
| Firmware over the air updates                         | Yes                                       |
| SIM Slot  | 1 x 2FF                                   |



## CONTACT

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