

Teltonika: RUT955

SENSORS AND INTERFACES

Accelerometer	
3D G sensors	
GNSS (GPS)	Yes
GLONASS (GPS)	Yes
Real time Clock	
Temperature Sensor	internal
LAN/Ethernet	10/100 Mbps
USB	1 x USB v2.0
RS 232	DB9 connector, full RS232 (with RTS, CTS)
RS 485	RS485 Full Duplex (4 wires) and Half Duplex (2 wires). 300-115200 baud rate
NTC	
PT1000	
0...10 V	
4...20 mA	
I2C Bus	
Digital In	1 x digital input (0 - 3 V), 1 x digital galvanically isolated input (0 - 30 V), 1 x analog input (0 - 24 V), 1 x Digital non-isolated input (on 4 pin power connector)
Digital Out	1 x digital open collector output (30 V, 250 mA), 1 x SPST relay output (40 V, 4 A), 1 x Digital open collector output (30 V, 300 mA, on 4 pin power connector)
CAN	
LIN Bus	
1-Wire	
SPI	
Analog to Digital Converter	Yes
Audio In/Out	
SIM-Slot	2 slots x 2FF
Processor	Atheros Wasp, MIPS 74Kc, 550 MHz
Storage	128 MB DDR2 RAM, 16 MB SPI Flash
Other Interfaces/sensors/comments	

CONNECTIVITY

GSM	Yes
2G	EMEA: B3, B8 LATAM: B2, B3, B5, B8
3G	EMEA: B1, B8 US T-Mobile & ATnT: B2, B4, B5 AU: B1, B5 LATAM: B1, B2, B5, B8 JAPAN: B1, B6, B8, B19
LTE	EMEA: LTE-FDD B1, B3, B7, B8, B20, B28A; LTE-TDD B38, B40, B41 US T-Mobile & ATnT: LTE-FDD B2, B4, B12 US Verizon: LTE-FDD B4, B13 AU: LTE-FDD B1, B3, B5, B7, B28 LATAM: LTE-FDD B1, B2, B3, B4, B5, B7, B8, B28; LTE-TDD B40 JAPAN: 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	802.11 b/g/n
Other	

PROTOCOL LAYER/Framework

Ethernet/IP	10/100 Mbps
Modbus TCP	Yes
Modbus RTU	Yes
CAN Bus	
OPC-UA	
Rockwell	
Siemens Logo	
Siemens S7	
Other	



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PHYSICAL DEVICE CHARACTERISTICS

Maximum Device Size	80 mm x 106 mm x 46 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

ELECTRICAL CHARACTERISTICS

Rechargeable battery	No
Usage with one battery (capacity)	No
Power Supply	9-30 VDC
Other	Possible to connect with rechargeable battery or UPS through Mean Well

CERTIFICATION

CE and WEEE	Yes
E-mark	Yes
FCC	Yes
ECE	Yes
IC	Yes
RCM	Yes
RED	Yes
R&TTE	N/A
PTCRB	Yes
Lithium Battery CB	
Other Certificates	EAC, CCC, RoHS, GCF, REACH, ECE R118, FCC, IC/ISED, EAC, Wi-Fi Alliance, IC, Anatel, GCF, REACH, DNV GL, ECE Regulation 118, Morocco ANRT, Thailand NBTC, Ukraine UCRF, SDPPI (POSTEL), WiFi Certified, Modbus Conformance

CONTACT

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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	Yes
Stability Test	Yes
Firmware over the air updates	Yes



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