

# Teltonika: RUT950

## SENSORS AND INTERFACES

Accelerometer	
3D G sensors	
GNSS (GPS)	
GLONASS (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	2 slots x 2FF
Processor	Atheros Wasp, MIPS 74Kc, 550 MH
Storage	128 MB DDR2 RAM, 16 MB SPI Flash
Other Interfaces/sensors/comments	

## CONNECTIVITY

GSM	Yes
2G	<b>EMEA:</b> B3, B8 <b>LATAM:</b> B2, B3, B5, B8
3G	<b>EMEA:</b> B1, B5, B8 <b>US T-Mobile &amp; ATnT:</b> B2, B4, B5 <b>AU:</b> B1, B5 <b>LATAM:</b> B1, B2, B5, B8 <b>JAPAN:</b> B1, B6, B8, B19
LTE	<b>EMEA:</b> (LTE-FDD): B1, B3, B5, B7, B8, B20;(LTE-TDD): B38, B40, B41 <b>US T-Mobile &amp; ATnT:</b> (LTE-FDD): B4, B13 <b>US Verizon:</b> (LTE-FDD) B4, B13 <b>AU:</b> (LTE-FDD): B1, B3, B5, B7, B28 <b>LATAM:</b> (LTE-FDD): B1, B2, B3, B4, B5, B7, B8, B28; (LTE-TDD): B40 <b>JAPAN:</b> (LTE-FDD): B1, B3, B8, B18, B19, B26
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	
CAN Bus	
OPC-UA	
Rockwell	
Siemens Logo	
Siemens S7	
Other	



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## PHYSICAL DEVICE CHARACTERISTICS

Maximum Device Size	50 mm x 100 mm x 110 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	Possible to connect with rechargeable battery or UPS through Mean Well

## CERTIFICATION

CE and WEEE	Yes
E-mark	
FCC	Yes
ECE	
IC	Yes
RCM	Yes
RED	Yes
R&TTE	N/A
PTCRB	Yes
Lithium Battery CB	
Other Certificates	EAC, CCC, RoHS, REACH, Wi-Fi Alliance, Anatel, TRA approval, DNV GL, Thailand NBTC, Ukraine UCRF

## 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



## CONTACT

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