

# Teltonika: RUTX09

## SENSORS AND INTERFACES

Accelerometer	
3D G sensors	
GNSS (GPS)	Yes
GLONASS (GPS)	Yes
Real time Clock	
Temperature Sensor	internal
LAN/Ethernet	4x 10/100/1000 Mbps
USB	1 x USB v2.0
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	Quad-core ARM Cortex A7, 717 MHz
Storage	256 MB DDR3 RAM, 256 MB SPI Flash
Other Interfaces/sensors/comments	IEE 802.15.1

## CONNECTIVITY

GSM	Yes
2G	
3G	<b>EMEA:</b> B1, B3, B5, B8
LTE	<b>EMEA:</b> LTE-FDD B1, B3, B5, B7, B8, B20, B28, B32; LTE-TDD B38, B40, B41; 2xCA B1+B1/B5/B8/B20/B28 B3+B3/B5/B7/B8/B20/B28 B7+B5/B7/B8/B20/B28 B20+B322 B38+B38 B40+B40 B41+B41
GSM connectivity in areas with poor signal	
Fixed Line Connectivity	No
IEE802.15.1 (known as Bluetooth on BT-SIG certified devices)	Yes, low Energy according to 4.0
WLAN	No
Other	
<b>PROTOCOL LAYER/Framework</b>	
Ethernet/IP	10/100/1000 Mbps
Modbus TCP	Yes
Modbus RTU	
CAN Bus	
OPC-UA	
Rockwell	
Siemens Logo	
Siemens S7	
Other	



LIFE IS FOR SHARING.

# Teltonika: RUTX09

## PHYSICAL DEVICE CHARACTERISTICS

Maximum Device Size	115 mm x 95 mm x 44 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	9-50 VDC
Other	Possible to connect with Rechargeable battery or UPS through Mean Well

## CERTIFICATION

CE and WEEE	Yes
E-mark	
FCC	
ECE	
IC	
RCM	Yes
RED	Yes
R&TTE	
PTCRB	
Lithium Battery CB	
Other Certificates	EAC, Ukraine UCRF, REACH, RoHS

## 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

Deutsche Telekom AG  
 Friedrich-Ebert-Allee 140  
 53113 Bonn  
[iot-device-support-@telekom.de](mailto:iot-device-support-@telekom.de)



LIFE IS FOR SHARING.