

Teltonika: RUTX11

SENSORS AND INTERFACES

Accelerometer	
3D G sensors	
GNSS (GPS)	Yes
GLONASS (GPS)	Yes
A-GPS	
Real time Clock	
Temperature Sensor	internal
LAN/Ethernet	10/100 Mbps
USB	1 x USB v2.0
RS 232	Yes
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 DDR2 RAM, 256 MB SPI Flash
Other Interfaces/sensors/comments	Bluetooth LE

CONNECTIVITY

GSM	Yes
2G	EMEA: B3, B8 LATAM: B2, B3, B5, B8
3G	EMEA: B1, B8 US T-Mobile & ATnT: B5 AU: B1, B5 LATAM: B1, B5, B8 JAPAN: B1, B8
LTE	EMEA: LTE-FDD B1, B3, B5, B7, B8, B20, B28, B32; LTE-TDD B38, B40, B41 AU: LTE-FDD B1, B3, B5, B7, B28 LATAM: LTE-FDD B1, B3, B5, B7, B8, B28; LTE-TDD B40 JAPAN: LTE-FDD B1, B3, B8; LTE-TDD B41
GSM connectivity in areas with poor signal	
Fixed Line Connectivity	No
Bluetooth	BT-LE
WLAN	802.11n
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	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
Other physical characteristics	Metal housing

ELECTRICAL CHARACTERISTICS

Rechargeable battery	No
Usage with one battery (capacity)	No
Power Supply	9-50 VDC
Other	

CERTIFICATION

CE and WEEE	Yes
E-mark	Yes
FCC	Yes
ECE	Yes
IC	
RCM	Yes
RED	Yes
R&TTE	N/A
PTCRB	
Lithium Battery CB	
Other Certificates	EAC, Ukraine UCRF, REACH, Bluetooth SIG (?)

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	2 x 2FF



CONTACT

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