

Advantech ECU-1251TL

SENSORS AND IO

Accelerometer	NA
3D G sensors	NA
GNSS (GPS)	NA
GLONASS (GPS)	NA
A-GPS	NA
Real time Clock	Yes
Temperature Sensor	NA
LAN/Ethernet	2 x 10/100 Base-T RJ-45
USB	1 x USB2.0
RS 232	4 combo with RS 485
RS 485	4 combo with RS 232
NTC	NA
PT1000	NA
0...10 V	NA
4...20 mA	NA
I2C Bus	NA
Digital In	NA
Digital Out	NA
CAN	NA
LIN Bus	NA
1-Wire	NA
SPI	NA
Analog to Digital Converter	NA
Audio In/Out	NA
SIM-Slot	Yes
Processor	TI Cortex A8, 800MHz
Storage	1GB Micro-SD card for system storage
Other Interfaces/sensors/comments	1x Mini-PCle (Full-size)

CONNECTIVITY

GSM	
2G	Optional modem: P/N: EWM-C109F601E
3G	Optional modem: P/N: EWM-C109F601E
LTE (already configured in)	Optional modem: P/N: XAESC-EC25E
GSM connectivity in areas with poor signal	Optional modem: P/N: EWM-C109F601E
Fixed Line Connectivity	NA
Bluetooth	NA
WLAN	Optional modem: P/N: 96PD-RYUW131
Other	NA

SUPPORTED PROTOCOL LAYERS / FRAMEWORK

Ethernet/IP	NA
Modbus TCP	Yes
Modbus RTU	Yes
CAN Bus	NA
OPC-UA	Yes
Rockwell	Yes
Siemens Logo	Yes
Siemens S7	Yes
Other	Omron, Mitsubishi etc. 200 PLCs

PHYSICAL CHARACTERISTICS

Maximum Device Size	162x96.5x30 mm
Switchboard Installation	Wall Mount
DIN Rail mounting	Yes
Maximum IP Class	IP-30
Operating Temperature	-40 ~ 70 °C
Storage Temperature	-40 ~ 85 °C
Operating Humidity	5 ~ 95% (non-condensing)
Storage Humidity	5 ~ 95% (non-condensing)
Other physical characteristics	



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ELECTRICAL CHARACTERISTICS

Rechargeable battery	NA
Usage with one battery (capacity)	NA
Power Supply	10 ~ 30 VDC
Other	

CERTIFICATION

CE and WEEE	Yes
E-mark	NA
FCC	Yes
ECE	NA
IC	NA
RCM	NA
RED	NA
R&TTE	NA
PTCRB	NA
Lithium Battery CB	NA
Other Certificates	NA

CLOUD OF THINGS USE CASE

Dependent on the implemented agent (project specific)	
Self-registration	Yes
Reboot device	NA
Measurement values	Yes
Update device data	NA
Update device configuration	NA
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	NA
Configuration settings can be changed via CoT	NA
Remote Control	NA
Stability Test	Yes
Firmware over the air updates	NA
SIM Slot	Yes



CONTACT

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