

Option NV CloudGate LTE WW

SENSORS AND IO

Internal 3D G-Sensor	Optional
Accelerometer	Yes
Internal Temperature Sensor	Optional
GPS	Optional
RTC	Optional
LAN Ethernet	Yes
USB	Optional
RS 232	Optional
RS 485	Optional
I2C-Bus	Optional
CAN	Optional
1-wire	Optional
SPI	Optional
Digital In	5x
Digital Out	4x
ADC	Yes
Analog In	1

CONNECTIVITY

2G	Yes
3G	Yes
4G	Yes
Ethernet	Yes
LoRaWAN	Optional
WiFi	Optional
Supported Bluetooth Version	4.2
Bluetooth Low Energy (BLE)	Optional

SUPPORTED PROTOCOL LAYERS/Frameworks

Ethernet IP	Yes
Modbus TCP	Yes
Modbus RTU	Yes
CAN-Bus	Yes
Other	BACnet, KNX, SNMP

ELECTRICAL CHARACTERISTICS

External Voltage	9-33 V DC
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PHYSICAL DEVICE CHARACTERISTICS

Maximum Device Size	(115 x 105 x 45) mm
Weight	304g
Programming Interface	OEM Specific OS
Switchboard Installation	Optional
IP Class 1st Digit	1- Protected against solid objects over 50mm e.g. hands, large tools.
IP Class 2nd Digit	2 - Protected against falling drops of water, if the case is tilted up to 15° from vertical
Operating Temperature	-30°C / 70°C
Operating Humidity	5 - 95%
Storage Temperature	-40°C / 70°C
Storage Humidity	5 - 95%
Number of SIM Slots	1
GSM Antenna Connector (number)	2
GSM Antenna Connector (standard)	SMA



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CERTIFICATION

ECE-R10	Yes
CE	Yes
Directive for Radio Equipment	RED
RoHS	Yes
WEEE	Yes
WEEE valid for	DE
FCC	Yes



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CLOUD OF THINGS SELF QUALIFICATION

Request Device Credentials	Yes
Pre-Provisioning of Devices	Yes
Create Device in Inventory	Yes
Register Device	Yes
Update Device Data	Yes
Reboot Device	Yes
Update Device Configuration	Yes
Upload Firmware/ Software Update to CoT	Yes
Execute OTA Update	Yes
Configure Update Settings	Yes
Recording of Signal Strength	Yes
Send Tracking Data	Yes
Resend Buffered Data	Yes
Create Alarm from Device	Yes
Update an Alarm from Device	Yes
Send Event from Device	Yes
Send Measurement Data	Yes
Session Resumption	Yes
Stability Test	Yes
Handling after Power Blackout	Yes

SAFETY AND SECURITY

TLS	1.2
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CONTACT

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