

SMARTsocket

Measure Energy Consumption and Detect Power Failures

SMARTsocket is a cellular gateway for detecting power failures and includes integrated energy monitoring functions. It is the ideal solution for companies looking to monitor and manage decentralized assets in order to avoid unnecessary service deployments. SMARTsocket uses the IoT cloud platforms of Cumulocity and the Cloud of Things, allowing customers to monitor large numbers of assets centrally.



Key Features

- Blackout detection
- Energymetering
- Remote On/Off Load
- Telekom Cloud of Things for easy management
- LTE-M cellular technology
- SIM-free operation possible





RADIO

4G LTE (opt.)	optional LTE Cat 1 B1(2100) B3(1800) B7(2600) B8(900) B20(800)
2G	B2 B3 B5 B8
NB-IOT / LTE - M	B1 B2 B3 B4 B5 B8 B12 B13 B18 B19 B20 B25 B28 B66 B71 B85 B103
Regions	WorldWide



SENSORS

Motion	3-axis accelerometer, $\pm 2g$ / $\pm 4g$ / $\pm 8g$ / $\pm 16g$ Continuous operation Data rate 1Hz (up to 5300 Hz possible) Shock detection
Power	Measurement range: 0...3600Watt Active and reactive power Accuracy: + / -1.5 Watt
LED	OFF – Device is off ON – Device is on, no mobile network detected BLINKING – Device is on and mobile network found (can take up to 15 min)
USB	USB 2.0 HS. For programming, logging and diagnostics
Relay Switching	Switchable load up to 2000W Controlled via cloud interface with manual/auto switch Auto mode includes timer function for automated switching



EXTERNAL SENSORS (Optional)

Water Leakage	Detection of flooding Functions: Securing inlets and drains, e.g., at bathtubs, washing machines, boilers, water storage tanks, etc.
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Temperature	Accuracy: $\pm 0.5^{\circ}\text{C}$, range -15 to $+40^{\circ}\text{C}$
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Ext. Sensor (opt.)	External Sensor 1,5m cable
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MANAGEMENT PLATFORM

Supported platforms	Telekom Cloud of Things, Cumulocity IoT, AI, Mindsphere, ooredoo, Telia, and others
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Communication	LWM2M
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Access	Bi-directional communication
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OTA	yes
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FOTA	yes
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GENERAL

Weight	115g
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Powersupply	230 V AC $\pm 20\%$, 50 Hz $\pm 5\%$ (EU/UK) / 50mA 120 V AC $\pm 20\%$, 60 Hz $\pm 5\%$ (US)
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LTE Antenna	OnBoard
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SIM Card	4FF / eSim Option
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Operating T/H	-40°C 85°C / Max. 85%
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Storage Temp.	-40°C 85°C / Max. 85%
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Dimensions	99,7 x 55,2 x 28
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IP class	P20
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Approval	
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Compliance	2014 / 53 / EU (Radio Equipment Directive) Radio EN301511 v12.5.1 EN301908 v13.1.1 EMC (Electromagnetic Compatibility) EN301489-1 v2.2.0 General Part EN 301489-52 v1.1.0 DIN EN 61326-1 – 2018-09 Safety DIN EN 61010-1: 2020-03, VDE 0411-1:2020-03 Cybersecurity EN 18031:2024
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Warranty	1 year
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Remote Manager

Fleet Management

Activate, monitor and diagnose your devices from a single point of access – your desktop or mobile app.

Monitor the status of your connected systems by analyzing diagrams from various widgets, with a wide range of evaluation options available.

Cockpit

Configure threshold monitoring, events, critical alarms, warnings and reports.

Open API

Use REST API to forward data to third-party systems or generate custom notifications.

Third-party IoT platforms



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