

# WCC LITE

Web gateway for alarm management, data logging, and web-based access



## Features

- 1 x RS485/232; 1 x RS485; 2 x Ethernet ports
- WIFI, 2G/3G/4G(LTE) integrated communication
- Optional: 2 SIM card modem
- Internal memory: SD Card
- RTC clock and NTP server/client
- Hardware Watchdog
- Alarm management & user management
- Cyber security according to industry standards
- Syslog event to remote server
- Web-based configuration
- Detailed information on connected devices
- Network traffic monitoring and filtering
- Plug'n'Play configuration for I/O modules
- **CloudIndustries.eu** Web-SCADA ready
- Remote Authentication Dial-In User Service (RADIUS)



## Application

- Power grid
- Renewable energy monitoring
- Street light supervision
- Building energy management
- Factory resources supervision

## Concept

We created an industrial embedded web gateway for alarm management, data logging, and web-based access. **WCC Lite** is a single-box solution that gives remote web-based access to serial devices over Ethernet or GSM. **WCC Lite** can be used as a small RTU in secondary substations, renewable power sources, and other places with need to collect and deliver data from various field equipment to SCADA, DMS or **CloudIndustries.eu** web SCADA platform. With **WCC Lite** you can:

- Use live data to monitor and manage your installations
- Use the device with cloud-based **CloudIndustries.eu** SCADA system and other **ELSETA** gadgets
- Provide energy analysis, cost profiles, and control processes

Integrated **WCC Lite** protocols:

- Modbus master / slave (RTU / ASCII / TCP)
- M-Bus master (Serial / TCP)
- IEC 60870-5- 101 master / slave
- IEC 60870-5- 103 master
- IEC 60870-5- 104 master / slave
- IEC 62056-31 master
- DNP3 master / slave
- Transparent tunnel from TCP to Serial

PV inverter specific:

- Aurora
- Delta
- Kaco
- SMA Net
- Ginlong
- Solplus
- DIEHL

Other:

- VBus
- Windlog
- Vestas
- Danfoss ComLynx
- PowerOne dimmer

By choosing **WCC Lite** you are assured of obtaining the most advanced, reliable, and proven technology.

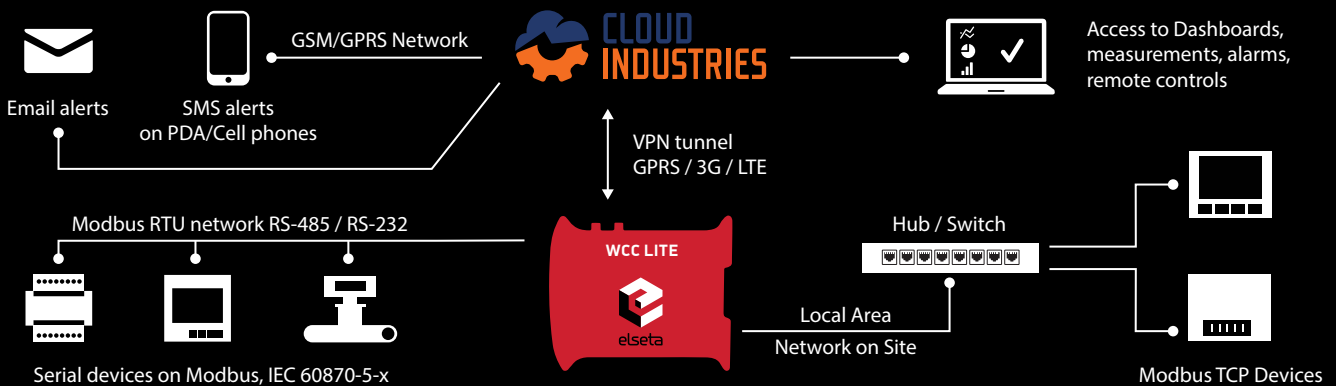
# Characteristics

## SYSTEM

<b>Processor</b>	AR9331, 400 MHz	<b>Mobile</b>	WiFi, 2G/3G/4G(LTE) integrated communication
<b>System memory</b>	16 MB Flash and 64 MB DDR2 RAM		
<b>External memory</b>	Up to 4 GB		
<b>Ethernet</b>	10/100 Base-T - RJ-45 connectors: 1 x WAN DHCP client 1 x LAN DHCP server	<b>Cyber security</b>	IEEE 1686-2007 WEB SSL support for configuration Firewall DoS, spoofing prevention ICMP, Multicast, VPN filtering IPSec RADIUS
<b>WiFi</b>	802.11 b/g/n, 2.4 GHz, 150Mbps max data rate, 21 dB output power		
<b>Serial ports</b>	1 x RS485/RS232 1 x RS485		
<b>Relay output</b>	1 x 2A (60W max.)		
<b>Antenna ports</b>	2 x SMA: GSM and WiFi		

## SOFTWARE FUNCTIONS

<b>Compatible with HMI Database</b>	Compatible with <b>CloudIndustries.eu</b> and ANY other cloud-based SCADA system File-based database is implemented inside the device <b>WCC Lite</b> stores all data on SD card when Internet is not available
<b>Data security</b>	All data exchanges between WCC Lite and cloud-based SCADA over an encrypted secure channel
<b>Device maintenance</b>	Using cloud-based <b>CloudIndustries.eu</b> SCADA system it is possible to configure devices and protocols connected to <b>WCC Lite</b> , monitor device-based alarms such as power supply, communication errors, monitor devices connected to SCADA, and much more



## Mechanical Characteristics

<b>Operating temperature</b>	-40 ÷ +85°C
<b>Humidity</b>	5 - 95%RH (non-condensing)
<b>Casing</b>	IP20, blend PC/ABS, black
<b>Dimensions</b>	119 (H) x 22.5 (W) x 101 (L), mm
<b>Mounting</b>	DIN rail
<b>Warranty</b>	2 years

## Electrical Characteristics

<b>Termination resistor</b>	Integrated 120Ω
<b>Power supply</b>	9-33VDC (full range)
<b>Power consumption</b>	6 W max.

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**Simplifying complexity** is our key to cutting-edge product development. More about **ELSETA** products: [www.elseta.com](http://www.elseta.com)

