



Features

- 1 x RS485/232; 1 x RS485; 2 x Ethernet ports
- WIFI
- Internet connection via 2G/3G/LTE changeable modems
- SD Card
- RTC clock
- Onboard Supervisor
- Alarm management
- Configuration via WEB page
- Detailed information about connected devices
- Plug and play device configuration for Elseta devices
- Cloudindustries.eu Web-SCADA ready
- Watchdog



Application

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

Concept

We created an industrial embedded web server 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 small RTU in secondary substations, renewable power sources and other places where is needed to collect lots of different data from many field equipment and deliver data to SCADA, DMS or Cloud-Industries web SCADA platform.

With **WCC Lite** you can:

- Monitor, manage and control your installations with live data
- Use it with cloud-based SCADA system “cloudindustries.eu” and with other **ELSETA** devices
- Provide energy analysis, cost profiles and control process

Integrated **WCC Lite** protocols:

- Modbus RTU, ModbusTCP/IP, ASCII
- IEC 60870-5-101 M/S, IEC 60870-5-104 M/S, IEC 60870-5-103 M
- Solar inverters: SMA, KACO, Power One, Aurora and others
- Vestas wind turbine
- Energy meters: Carlo gavazzi, ABB, Schneider electric, Elgama Elektronika and others
- Street light controllers: ABB Power-one

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

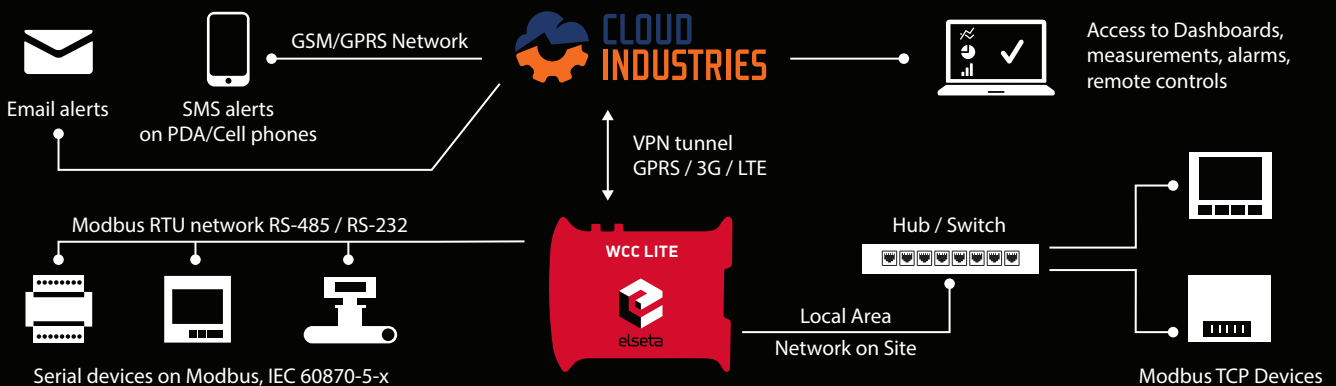
Characteristics

SYSTEM

Processor	AR9331, 400 MHz	Mobile	mPCIe (usb only) pluggable modem: Dual-band 3G/GPRS (Default) UMTS/HSPA 900/2100 MHz GPRS/EDGE 900 / 1800 MHz
System memory	16 MB Flash and 64 MB DDR2 RAM	Cyber security	IEEE 1686-2007 WEB SSL support for configuration; Firewall; DoS, spoofing prevention; ICMP, Multicast, VPN filtering; IPSec
External memory	Up to 4 GB		
Ethernet	10/100 Base-T - RJ-45 connectors: 1 x WAN DHCP client 1 x LAN DHCP server		
Serial ports	1 x RS485/RS232 (with flow control) 1 x RS485		
Relay output	1 x 2A (60W max.)		
Antenna ports	2 x SMA: GSM and WiFi		

SOFTWARE FUNCTIONS

Compatible with HMI Database	Compatible with ANY Cloud based SCADA system or Cloudindustries.eu Inside device is implemented file based database. WCC Lite stores all data on SD card when Internet is not available
Data security	All data between WCC Lite and Cloud based SCADA exchange over encrypted secure channel
Device maintenance	Over Cloud based SCADA system is possible to configure devices and protocols connected to device, see device based alarms as: Power supply, communication errors, device connected to SCADA and much more.



POWER REQUIREMENTS

Power supply	12 – 24 VDC
Power consumption	5 W max.

ENVIRONMENTAL

Operating temperature	-40 +85°C
Humidity	5 - 80% (non-condensing)
Warranty	2 years

MECHANICAL

Dimensions	119 (H) x 22,5 (W) x 101 (L), mm
Mounting	Wall mount, Din rail
Casing	IP20, ABS

ELSETA is focused on smart city and smart grid technologies. Specialization in electronics, automatics and innovative project development is our main goal for emerging technologies markets.

Simplifying complexity is our key to the product development.
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