

# Documentation

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## WCCLite manual for version 1.5.4 (released 27/08/2021)

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## General



**WCC Lite**  
mini RTU & gateway

WCC Lite is a single-box device not require any vendor-specific power supply or other components and can work as a standalone device for applications such as protocol converting, mini RTU without I/Os, datalogger, etc. WCC Lite is ideal for retrofit projects – as its small footprint allows to fit it into any existing cabinet, while its wide variety of supported protocols and possibility for converting them to each other gives a perfect fit. Additional DI and relay outputs allow to send information to the SCADA system about error-rates and indicate errors on cabinet door status, a simple single command.

Due to the integrated features, WCC Lite with the integrated 4G/LTE module allows to switch from existing radio infrastructure to mobile coverage. WCC Lite has an ideal set of features to be a perfect choice for small sites including 4G/LTE, and VPN features. The high bandwidth of 4G/LTE allows to integrate of video surveillance 1080p remote access for configuration, COMFINDER and other needs.

**Applications**

- Power Grid
- Solar energy projects
- Wind energy projects
- Hydro energy projects
- Energy storage applications
- Factory resources supervision
- Substation automation solutions

**Features**

- Protocol converter
- Data logger
- Industrial grade router and Ethernet switch
- Rule-based Firewall
- Mobile connectivity via integrated 4G/LTE, 3G modem with dual SIM card support
- VPN client and server (PPTP and OpenVPN)
- Web-based configuration
- Remote Authentication Dial-In User Service (RADIUS)
- Cybersecurity
  - IEEE 1588-2007
  - WEB SSL support for configuration
  - DoS, spoofing prevention
  - ICMP, Multicast, VPN filtering
  - IPsec
  - RADIUS

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## **PID's**

IEC-60870-5-103 -> [Download](#)

IEC-60870-5-104 -> [Download](#)

IEC-60870-5-101-Slave -> [Download](#)

IEC-60870-5-101-Master -> [Download](#)

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