

# 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/O's, 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 can be used to send information to the SCADA system along with status signals and indicate errors on cabinet door opening with a simple single command.

Due to the Intel Atom feature, WCC Lite with the small footprint allows to switch from existing infrastructure to mobile computing. WCC Lite has an ideal set of features to be a perfect gateway router for small sites including 4G LTE and VPN features. The high bandwidth of 4G LTE allows to integrate of video surveillance and other needs. WCC Lite's remote access for configuration, COMTRADE and other needs.

**Applications**

- Power Grid
- Solar energy production
- Wind energy production
- Hydro energy production
- 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 (IPsec and OpenVPN)
- Web-based configuration
- Remote Authentication Dial-In User Service (RADIUS)
- Cyber security:
  - IEEE 802.1X
  - Web SSL support for configuration
  - DoS, spoofing prevention
  - ICMP, Multicast, VPN filtering
  - IPsec
  - RADIUS

**Technical documentation**

**Ordering**

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

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