

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, also it can trigger and indicate errors on cabinet door opening, a simple single command.

Due to the integrated features, WCC Lite with the optional antenna allows to switch from existing radio infrastructure to mobile communication. WCC Lite has an ideal set of features to be a perfect choice for small sites including protocol conversion and VPN features. The high bandwidth of GPRS allows to integrate video surveillance, GPRS 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](#)

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