

Documentation

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General



The image shows a datasheet for the WCC Lite mini RTU & gateway. It features a photograph of the device, which is a small, black, rectangular unit with a red label. The text on the page describes the device's capabilities, including its role as a single-box device that can work as a standalone device for applications such as protocol conversion, mini RTU without I/Os, datalogger, etc. It also lists various features like protocol conversion, data logger, industrial grade router and Ethernet switch, and more. The page is titled 'WCC Lite mini RTU & gateway' and includes a 'Datasheet' watermark.

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 conversion, 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 DDI and relay outputs are to send information to the SCADA system about status and indicate errors on cabinet due to a simple single command.

Due to the integrated features, WCC Lite with the small size, it is suitable to switch from existing radio infrastructure to mobile communication. It has an ideal set of features to be working router for small sites including 3G, 4G and VPN features. The high bandwidth of 4G allows to integrate of video surveillance. SPD'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

Technical documentation

Ordering

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-2007
 - IEEE 802.1X support for configuration
 - DoS, spoofing prevention
 - ICMP, Multicast, VPN filtering
 - IPsec
 - RADIUS

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PID's

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