

# VPN LTE CELLULAR RADIO ROUTER EBW-L100

Item No.: 422.441

## DESCRIPTIONS OF FUNCTIONS

The EBW-L100 is an industrial router that allows a secure connection between local and distant networks via the fast LTE wireless standard. Both the built-in firewall and the ability to connect via VPN or IPsec, ensure the security of data. Dial-in and Dial-out functions facilitate remote maintenance of devices in the network.

The EBW-L100 can be used as remote access point for remote control of the grid feed-in management for example, for the purpose of energy trading.

## TECHNICAL DATA

### Mobile communication:

Networks	2G/GPRS/EDGE: 900, 1.800 MHz; CSD, GPRS/EDGE Class 12 3G/UMTS/HSPA: 900, 1.800, 2.100 MHz; UMTS/HSPA 4G/LTE: 800, 900, 1.800, 2.100, 2.600 MHz; LTE Cat. 3 (DL: 100 Mbps, UL: 50 Mbps)
Antenna connection	SMA
SIM	1 slot for Mini-SIM card (2FF), locked

### Router:

Function	IPv4/IPv6 router, connection management, DHCP server and client, Full NAT (IP forwarding, port forwarding, netmapping), DNS relay, dynDNS support, PPPoE for ADSL modem via LAN (ext), Dial-in, dial-out, callback
Security	OpenVPN (client and server), IPsec, GRE, PPTP, stateful firewall and MAC filters, RADIUS authentication, 10 users for dial-in, authentication via PAP/CHAP/MS-CHAP/MS-CHAP 2, dial filter for dial-out, Linkloss Detection, Failed Login Detection, no backdoor
Redundancy	LAN ext. port for external DSL modem, 2 dial-out targets, 2 OpenVPN servers

### Switch:

Ports	2 x RJ45
Operation mode	10/100 BT for full and half duplex operation
Function	automatic detection of patch cable/cross-over-cable, automatic speed adjustment; port mirroring

### Configuration:

Local and remote web interface (http, https), command line interface (CLI), Telnet, SSH, ASCII and binary file (also for backup), quick start for ICS

### Messages:

Hardware watchdog, system messages via e-mail, SNMP traps, SNMP V1/V2c/V3

### Power supply:

Voltage	10 ... 48 V DC ( $\pm 20$ %)
Power consumption (during connection)	approx. 2 W (logged in), max. 5 W (data transmission)

### Physical Characteristics:

Dimensions (WxHxD)	45 x 70 x 110 mm
Operating temperature	-30 ... 70 °C
Humidity	0 ... 95 % (non-condensing)