INSYS icom

Industrial Data Communication

Industrial VPN 4G/LTE router
EBW-L100

Type	Transmission technology							
	4G (LTE)	3G (UMTS/HSPA)	2G (GPRS/EDGE)	xDSL	Ethernet	WLAN	Analogue	ISDN
Switch cabinet serial	☐	☐	☐	☐	☐	☐	☐	☐
Switch cabinet network	■	■	■	☐	☐	☐	☐	☐
Desktop Devices	☐	☐	☐	☐	☐	☐	☐	☐
19´´ rack	☐	☐	☐	☐	☐	☐	☐	☐
embedded modules	☐	☐	☐	☐	☐	☐	☐	☐

Mobile access to Ethernet devices

The industrial high speed router EBW-L100 combines a modem and a router in one device. It connects to the internet over mobile networks (4G/LTE, 3G/UMTS/HSPA, 2G/GPRS/EDGE).

Thus, EBW-L100 is the perfect device for applications that require broadband cellular connection, e.g. video surveillance.
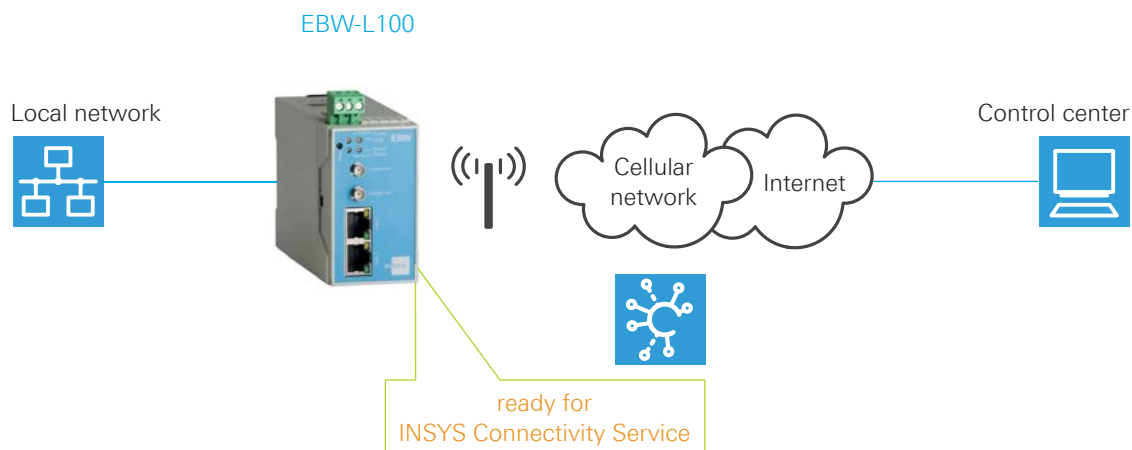
A stateful firewall with MAC filters, integrated VPNs (openVPN, IPsec) as well as further IT security features such as event driven messages care about data security.

Features

- Industrial cellular router
- Broadband 4G/LTE, 3G/UMTS/HSPA or 2G/GPRS/EDGE
- VPN security
- 2 local Ethernet ports (switch)
- Prepared for INSYS Connectivity Service

Applications

- Access to control network with PLC, HMI, data logger
- Modem substitute for devices with Ethernet interface
- Remote desktop
- Video monitoring
- Displays

EBW-L100

Local network

Cellular network

Internet

Control center

ready for
INSYS Connectivity Service

Technical data
EBW-L100

Mobile Communikation	
Networks	2G/GPRS/EDGE: 900/1.800 MHz; CSD, GPRS/EDGE class 12 3G/UMTS/HSPA: 900, 1.800, 2.100 MHz; UMTS, HSDPA, HSUPA 4G/LTE*: 800, 900, 1.800, 2.100, 2.600 MHz; LTE
Antenna connection	2x SMA (2G/3G/4G: Main, 3G: Rx Diversity, LTE: MIMO)
SIM	1 slot for Mini-SIM card
Router	
Function	Connection management, DHCP server and client, full NAT (port forwarding, netmapping), DNS relay, dynDNS support, SNMP, NTP client and server, buffered real-time clock
Security	OpenVPN (client and server), IPsec, PPTP, MAC firewall, 10 user for dial-in, authentication over PAP/CHAP/MS-CHAP/MS-CHAP 2, dial filter for dial-out, linkloss detection, failed login detection, GRE
Redundancy	2 dial-out targets, 2 OpenVPN server targets
LAN	
Ports	2 x RJ45 (switch)
Operating mode	10/100 MBit/s for full/half duplex
Function	automatic recognition patch / crossover cable, automatic speed adjustment; MDI/MDI-X
Messages	Hardware watchdog, system messages via e-mail and SNMP traps, SNMP V1/V2c/V3
Additional features	Update firmware and configuration (local und remote), daily auto update
Electrical features	
Power supply	10...48 V DC (± 20%)
Power consumption	approx. 2 W (logged in), max. 5 W (during connection)
Physical features	
Size in mm	110 l x 45 w x 70 h
Operating temperature	-30...+ 60 °C -30...+ 75 °C under limited conditions (refer to under www.insys-icom.com/restricted)
Humidity	0...95% (non condensing)

* *Please check the availability of the LTE frequencies in the planned operating area. Above specified frequencies are currently used in Europe, Middle East, Africa and, to some extent, in the Asia-Pacific region and South America.*

Product description	Features	Order number
EBW-L100 1.0	2G/GPRS/EDGE, 3G/UMTS/HSPA, 4G/LTE	10016058

Establish VPN connections the easy and secure way.

With the INSYS Connectivity Service!

www.insys-icom.com/connectivity

INSYS Connectivity

www.insys-icom.com