Industrial Data Communication

# VPN LAN Router
## EBW-E100

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**Transmission technology**

| Type | UMTS/HSPA | GSM/GPRS/EDGE | xDSL | Ethernet | WLAN | Analogue | ISDN |
|---|---|---|---|---|---|---|---|
| Switch cabinet serial | □ | □ | □ | □ | □ | □ | □ |
| Switch cabinet network | □ | □ | □ | ■ | | □ | □ |
| Desktop Devices | □ | □ | | | | □ | □ |
| 19" rack | | | | | | □ | □ |
| embedded modules | □ | □ | □ | □ | □ | □ | □ |

## Industrial VPN router

The industrial high-speed router EBW-E100 allows secure connections between local and remote networks.

The firewall and VPN via OpenVPN and IPsec provide data security.

EBW-E100 decouples manufacturing cells with remote access from the surrounding company IT for example. Also many sub-networks with identical local IP addresses can be distinguished and addressed targeted.
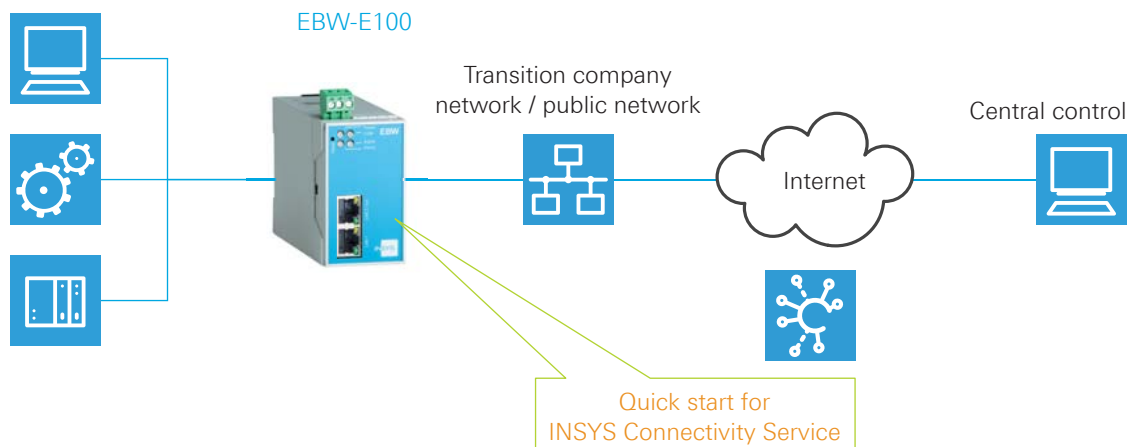
EBW-E100 is prepared for the INSYS Connectivity Service VPN service. Using the quick start wizard, the device can be integrated into a VPN quickly and simple with only two steps. The router gets all necessary data and certificates automatically with this.

## Features

■ LAN router
■ Security via VPN
■ Netmapping for machines
■ Prepared for INSYS Connectivity Service

## Applications

■ Manufacturing cell decoupling
■ Secure remote maintenance in customer network
■ Access to a control network from PLC, HMI, data logger
■ Remote desktop
■ Video monitoring
■ Displays

EBW-E100 — Transition company network / public network — Internet — Central control
Quick start for INSYS Connectivity Service

| Router | |
|---|---|
| Function | Connection management, DHCP server and client, full NAT (port forwarding, netmapping), DNS relay, dynDNS support, PPPoE client for ADSL, SNMP, NTP client and server, buffered real-time clock |
| Safety | OpenVPN (client and server), IPsec, PPTP, MAC firewall, linkloss detection, failed login detection, GRE |
| Redundancy | 2 OpenVPN server targets |
| **LAN** | |
| Ports | 2 x RJ45 |
| Operating mode | 10/100 MBit/s for full and half duplex operation |
| Function | Automatic detection of patch cable / cross-over cable, Automatic speed adjustment; MDI/MDI-X |
| **Messages** | Hardware watchdog, system messages via e-mail, SNMP traps, SNMP V1/V2c/V3 |
| **Additional features** | Update of firmware and configuration (local and remote), daily auto update |
| **Supply** | |
| Voltage | 10 ... 48 V DC (± 20%) |
| Power consumption (during connection) | Approx. 2 W |
| **Physical features** | |
| Dimensions (L x W x H) | 110 x 45 x 70 mm |
| Operating temperature | -30...+70 °C<br>-30...+85 °C under limited conditions (refer to www.insys-icom.com/restricted) |
| Humidity | 0...95% (non-condensing) |

| Product Description | Features | Order number |
|---|---|---|
| EBW-E100 1.0 | VPN LAN Router | 10014546 |

**Establishing VPN connections easy and secure.**

**With the INSYS Connectivity Service!**

www.insys-icom.de/connectivity

**INSYS Connectivity**

**www.insys-icom.com**