

WLAN/HSPA Router EBW-WH100

Transmission technology

Type	UMTS/HSPA	GSM/GPRS/EDGE	xDSL	Ethernet	WLAN	Analogue	ISDN
Switch cabinet serial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Switch cabinet network	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Desktop Devices	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
19" rack						<input type="checkbox"/>	<input type="checkbox"/>
embedded modules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Mobile access to Ethernet devices

The industrial high-speed router EBW-WH100 enables secure wireless connections between local networks via WLAN and to the Internet via cellular networks (3G/HSPA, GPRS/EDGE). The HSPA interface provides the prerequisite for realising remote access and maintenance.

EBW-WH100 is ideal for securely accessing systems in remote networks for example. The cellular interface serves as redundancy in case a local WLAN network is not available.

A firewall and integrated VPN (OpenVPN, IPsec) provide data security.

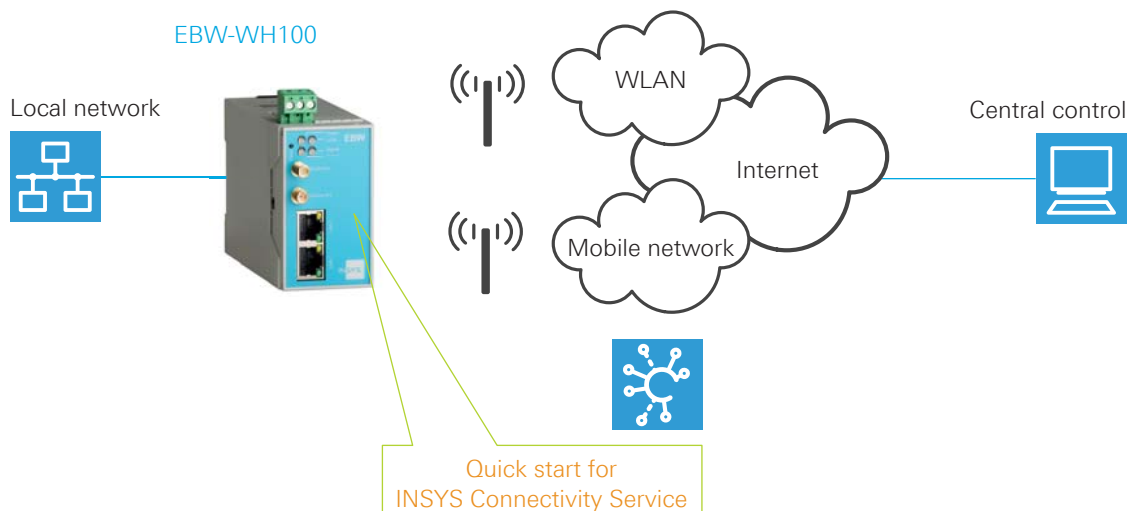
EBW-WH100 is prepared for the INSYS Connectivity Service VPN service. The device can be integrated into a VPN quickly and easily using the quick start wizard. The router gets all necessary data and certificates automatically with this.

Features

- Cellular HSPA or GPRS
- WLAN station (Access Client)
- Dial-In and Dial-Out router
- Security via VPN
- 2 local Ethernet interfaces
- Quick start for INSYS Connectivity Service

Applications

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



Technical Data

EBW-WH100

Mobile communication	
Networks	2G: 850/900/1.800/1.900 MHz; CSD, GPRS/EDGE Class 12 3G: 850/800, 900, 1.900, 2.100 MHz; UMTS, HSDPA, HSUPA
Antenna	SMA connector
SIM	1 SIM card insert
WLAN communication	
Standard	IEEE 802.11 b/g
Frequency	2.4 GHz
mode	Infrastructure WLAN station (Access Client)
Security	WEP, WPA/WPA2 (AES, TKIP). 802.1X (EAP: TLS, TTLS, PEAP)
Antenna	Reverse SMA
Router	
Function	Dial-in, dial-out, callback, 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 via PAP/CHAP/MS-CHAP/MS-CHAP 2, dial filters for dial-out, link loss detection, failed login detection, GRE
Redundancy	WLAN with cellular fallback, 2 Dial-Out targets, 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, SMS and 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 ($\pm 20\%$)
Power consumption (during connection)	approx. 2 W (logged in), max. 5.2 W (during connection)
Physical features	
Dimensions (L x W x H)	110 x 45 x 70 mm
Operating temperature	-30...+60 °C -30...+75 °C under limited conditions (refer to www.insys-icom.com/restricted)
Humidity	0...95% (non-condensing)

Product Description	Features	Order number
EBW-WH100 1.0	GPRS/EDGE, UMTS/HSPA, WLAN	10015751

Establishing VPN connections
easy and secure.

With the INSYS Connectivity Service!

www.insys-icom.de/connectivity



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