

Product Information

IGW/900: Linux Device Server with CAN-Interface

Programmable Device Server for DIN rail mounting



Description

With the IGW/900 SSV offers a compact Linux device server for the DIN-rail. The IGW/900 acts thereby as programmable 32-bit Linux computer directly out of the switchgear cabinet and allows the control, monitoring and binding of machines, plants and other automation components, without a PC is needed.

As a result of its pre-installed Embedded Linux and the complete programmability all advantages of a vertical integration can be exhausted with the IGW/900 – from the management down to the field level. In such a way the IGW/900 can supervise and control devices completely autonomously, or make process data visualized available via Web server.

Through the available serial interfaces devices which communicate over CAN-bus or have RS232/485 interfaces can be merged very easy in an existing 10/100 Mbps network. Thus also spatially far apart lying systems can be integrated into an existing network and interconnected. The typical 24 VDC voltage supply of the IGW/900 is made by screw terminals. For comfortable status monitoring the converter has three free assignable LEDs, which e.g. show the availability of the cable connections.

The IGW/900 is fan less and particularly designed for the employment in industrial environments. The small dimensions of 118 x 90 x 22.5 mm, as well as the possibility of DIN-rail mounting permit the quick and place saving assembly in the switchgear cabinet. Preinstalled on the IGW/900 is an Embedded Linux operating system, a Web and a Telnet server as well as a TFTP client.

Possible fields of application for the IGW/900 are:

- Device control
- Remote access / remote maintenance
- Measured value -, and/or status inquiries
- Ethernet connection of CAN-bus and/or serial devices

Technical Data

Hardware

CPU
RAM
Flash

IGW/900

32-bit Motorola Coldfire 66 MHz
16 MByte SDRAM
8 MByte

Ethernet Interface

Ethernet

100/10BASE-T, automatic detection between 100 Mbit/s and 10Mbps

Connector

RJ-45

Further Interfaces

RS232

Screw terminals, max. 2 x 1.5 mm²,
max. 230,4kbps, Signals: RTS, Rx, Tx, CTS, Gnd

RS232/422/485

Screw terminals, max. 2 x 1.5 mm², max. 230,4kbps,

Signals:

RS232/ Rx, Tx, Gnd

RS422/ Rx+, Rx-, Tx+, Tx-, Gnd

RS485/ Data+, Data-

CAN

Screw terminals, max. 2x1.5mm², Signals: CAN H, CAN L

Other

Display
Power supply
Temperature range
Dimensions (B x H x T)
Cooling
Mounting

1 x Power, 3 x free assignable Port-LEDs
12-24 VDC
0°C.. +60°C
22.5 x 90 x 118 mm
Fan less
DIN-rail

Main Functionality

Programmable protocol converter / Device Server

Management

Embedded Linux operating system with Bootloader
Integrated Web server
Integrated Telnet server
Integrated TFTP client

Delivery

IGW/900 with MB/900 base board and DNP/5282, Starter Kit-CD-ROM with sample applications, manual etc., Adapter cable power, Adapter cable RS232, Adapter cable RCM, Plug-in power supply, Screwdriver etc.

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