

Product Information

IGW/800: Linux Device Server

Programmable Device Server for DIN-rail



Description

With the IGW/800 SSV Embedded Systems offers a compact Linux device server for DIN-rail mounting. The IGW/800 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.

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/800, from the management level to the field level. In such a way the IGW/800 can supervise and control devices completely autonomously, or make process data visualized available via Web server.

Through the available serial interfaces, devices with RS232 or RS485 interfaces only 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. The necessary 24 VDC power supply of the IGW/800 is made by screw terminals. For comfortable status monitoring the system offers three free assignable LEDs, which e.g. signal the availability of the cable connections.

The IGW/800 is particularly designed for the use in industrial environments. The small dimensions of 97 x 90 x 22.5 mm, as well as the possibility of DIN-rail mounting permit the quick and space-saving assembly in a switchgear cabinet. Furthermore the IGW/800 offers an Embedded Linux operating system, a Web and a Telnet server as well as a TFTP client.

Possible fields of application for the IGW/800 are:

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

Technical Data

Hardware

CPU
RAM
Flash

IGW/800

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

Ethernet Interface

Ethernet

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

Connector

RJ-45

Further Interfaces

RS232

Screw terminals, max. 2x1.5mm²,
max. 230.4kbps

RS485

Screw terminals, max. 2x1.5mm²,
max. 230.4kbps

Other

LED Indicators

1 x Power, 3 x free assignable Port-LEDs

Power supply

12-24 VDC

Temperature range

0°C.. +60°C

Dimensions

22.5 x 90 x 97 mm

Cooling

fan less

Mounting

DIN-rail

Main Functionality

Programmable protocol converter / Device Server

Management

Embedded Linux operating system with Bootloader

Integrated Web server

Integrated Telnet server

Scope of Delivery

IGW/800, Starter kit-CD-ROM with sample applications, Manual, Adapter cable power, Adapter cable RS232, Adapter cable RCM, Plug-in power supply, Screwdriver etc.

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