IGW/900 Gateway

Highlights

- equipped with an efficient 32-bit Motorola Coldfire with 66MHz clock frequency
- 12-24 VDC Power supply
- CAN 2.0B ISO 11898
- pre-installed Embedded Linux
- full-fledged Linux-Computer on site

Description

With the gateway IGW/900 an equipment is available, which is suitable particularly for the installation in switchgear cabinets. Besides from the compact dimensions IGW/900 is particularly qualified for many industrial applications because of its various connection types. This gateway is equipped with a Linux Device Server. Consequently it can be ascertained a fully-fledged Linux computer is available on site. IGW/900 stays abreast of changes increasing trend to path on high-duty devices to the on site section.

Besides control tasks IGW/900 has the ability to connect devices without Ethernet interface to TCP/IP networks.

Application

The heart of the IGW/900, the DIL/NetPC DNP/5280 also provides with its 32-bit Motorola Coldfire processor with a clock frequency of 66 MHz sufficient power reserves for more extensive applications.

With the combination of IGW/900 as CAN interface and e.g. the CAN analyzer CAN-REport an efficient and versatile tool for analysis and commissioning of CAN-based networks is available. The connection between these two components occurs on the basis of the Client/Server model by standard TCP/IP interfaces. This separation permits to use the entire application over TCP/IP networks away. Therewith the employment becomes possible for remote maintenance without additional or modified software over switched lines or the Internet. This connection between the host system at the Ethernet and the local CAN field bus enabled a comfortable transmission of the technical parameters and facilitate both starting and maintenance.

The Starterkit contains besides the CAN-REport and the CAN Server a development environment to create applications.

Technical Data

Microcontroller	32-bit Motorola Coldfire
Clock frequency	66 Mhz
Memory	16 MB SDRAM 8 MB FLASH
Power supply	12..24VDC
Housing	plastic
Weight	200g
Size	150 x 68 x 25 mm
interfaces	CAN, RS232, RS232/422/485
mounting	top-hat rail/DIN rail

Scope of Delivery

- IGW/900 hardware
- Manual

Ordering Information

0850/01   IGW/900-CAN
0850/03   IGW/900-CANopen

Engineering Services

port is providing engineering services and trainings for our business activities:

- CAN and CAN-based protocols: CANopen, J1939, DeviceNet
- Industrial Ethernet Protocols: POWERLINK, EtherNet/IP, EtherCAT
- Implementation of devices according to CANopen device profiles
- VHDL based solutions for industrial applications
- application specific implementations or enhancements
- embedded LINUX projects

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