

PRESS RELEASE

IGW/900: Universal CANopen Gateway

Hanover, August 2005 – With the IGW/900, SSV Embedded Systems offers a compact and cost-effective Linux gateway for accessing sensors and actuators. Because of increasing TCP/IP communication in the industrial field, more and more data from bus-shaped CAN networks must be integrated in an existing industrial Ethernet. CAN and RS232 data can be retrieved simultaneously via the Web using the programmable IGW/900 and made available within a TCP/IP network whether by LAN, Intranet or Internet.

port GmbH from Halle, Germany has now adapted the freely available "can4linux" driver for the core of the IGW/900, the DIL/NetPC DNP/5280, whose 32-bit Motorola ColdFire processor with a clock speed of 66 MHz also provides enough power reserves for numerous applications.

In combination with the CAN analyzer "CAN-REport", the user now has access to a capable and versatile tool for analyzing and implementing CAN-based networks. The link between both components is based on the client/server model over standard TCP/IP interfaces. The separation makes it possible to use the entire application across TCP/IP networks. It can be used for remote maintenance without additional or modified software over dial-up connections or the Internet.

Device parameters are easily transmitted over the connection between the host system on Ethernet and the local CAN field bus, making implementation as well as service and maintenance easier. This hardware and software connection, based on Ethernet and TCP/IP as transport and network protocol, ensures easy implementation of remote engineering. All measurement and control values are in effect available remotely. The optional programming by means of a simple script language that includes samples makes the configuration for various applications and the interpretation of customer-specific protocols uncomplicated for the user. Optional ready software modules are available for the "CAN-REport" for displaying CANopen and DeviceNet telegrams depending on protocol.

As an open 32-bit Linux system, the IGW/900 makes it possible to control and service machines and systems over Ethernet, which is suitable with the addition of the CAN analyzer for the dialog between actuator, sensor and control stage, universal application for development, testing and maintenance. Both components, the IGW/900 and the CAN analyzer "CAN-REport", offer a flexible and cost-effective solution for a multitude of automation solutions.

About SSV Embedded Systems: SSV Embedded Systems is a business unit of SSV Software Systems GmbH, founded in 1982. The business unit develops and markets embedded systems, industry PCs and terminals, as well as industrial communication devices for automation. SSV was one of the first companies to make significant contributions to the now widely successful use of Ethernet as an industrial communication standard and continues to champion its use on countless advisory boards.

About port GmbH: *port* GmbH headquartered in Halle/Saale, Germany was founded in 1990. The company has since become a recognized specialist in the area of CAN/CANopen thanks to its extensive experience and knowledge in the area of industrial control applications and as an active member of CiA (CAN in Automation e.V.) and other advisory boards.

Additional information is available at www.ssv-comm.de and www.port.de.

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