Port GmbH: Professionals in Industrial Communication

port GmbH
Regensburger Strasse 7b
06132 Halle
Germany

Phone: +49(0)345-777550
e-mail: info@port.de
web: www.port.de

Christian Bornschein, Marketing & Sales

"POWERLINK provides unique features to the user and can be adapted into embedded systems. The layer 2 infrastructure components and access mechanisms use Ethernet at it's best."

Contact:

EPSG POWERLINK-OFFICE
Schaperstrasse 18
10719 Berlin · Germany
Tel.: +49 (0) 30 - 85 08 85 - 29
Fax: +49 (0) 30 - 85 08 85 - 86
info@ethernet-powerlink.org
www.ethernet-powerlink.org

Professionals in Industrial Communication – port.de

port as an established industrial communication specialist provides a complete communication solution for POWERLINK and other Ethernet-based systems as well as CANopen.

port's main services are Protocol Libraries and line structure components, delivered in source code, and a complete tool chain for developing Controlled Node POWERLINK units that help customers improve Time-to-Market even further.

The POWERLINK Design Tool connects port's Protocol Library with the customer's application. The customer's gain is an improved time-to-market.

The driver, completely separated from the protocol stack, provides full hardware independence. It allows adaptation to the specific hardware and interfacing with virtually any OS. There is support for POWERLINK as well as CANopen, EtherCAT, PROFINET and EtherNet/IP, optionally with a protocol independent Interface to the customer's application, retaining the high performance level.

POWERLINK Controlled Node design by port

Combining port's POWERLINK Hub and POWERLINK MAC on FPGA Level enables port's POWERLINK Controlled Node Protocol Library for fast cycle time, fast poll-responses and very low jitter. The POWERLINK Hub+MAC are supplied as VHDL and therefore are executed on a FPGA (Altera or XILINX). The POWERLINK Controlled Node (CN) Protocol Library can run on the FPGA's Soft-Core CPU (NIOS, Microblaze) or on an external CPU (STM32 or others). The POWERLINK Design Tool connects to the customer's application in no time.

POWERLINK Product & Services Overview:

Hardware:	Altera, Xilinx, STM32, others on request
Software:	Controlled Node POWERLINK Protocol Library for NIOS, Microblaze, STM32 and others
Multi Protocol:	POWERLINK, CANopen, EtherCAT, PROFINET, EtherNet/IP
Design Support:	Sample implementation on sample board
Additional Offer:	Customer specific implementation and other services

POWERLINK – fast, reliable in a short design cycle – by port.