



Lite5200 Evaluation Board



*Total5200 Standard
Development Platform*

CAN Support for QNX[®] Neutrino RTOS v.6.3 for Motorola's MSCAN controller on the MPC5200 processor **EVB Lite5200 EvaluationBoard and or Total5200 Box**

The Lite5200 Evaluation Board (EVB) is a compact subset of the Total5200 Development Platform for the evaluation and creation of systems based on the high performance, low-power, low-cost 400 MHz MPC5200 embedded processor containing a PowerPC[®] core.

The CAN driver works fully interrupt driven using the two individual interrupts assigned to the CAN controllers of the MPC5200.

It supports up to 8 logical channels regarding the definition of receive filters. Every receive channel is buffered by a FIFO for 64 frames.

The driver comes along with a C-API for the development of CAN based applications. The API includes template projects and example sources for the configuration of the CAN controllers and sending and receiving of CAN frames.

For every receive channel can be negotiated a receive notification pulse for fully event driven operation of multi threaded CAN applications.

Dynamical reconfiguration of the CAN controllers of the MPC5200 processor is also supported.

STEINHOFF Automation is partner of MOTOROLA. Demo CDs for DACHS[®] CAN support for QNX6 can be delivered together with the Lite5200 or Total5200 hardware from MOTOROLA or on request from STEINHOFF.

For commercial or technical questions, please contact: mscan@steinhoff-automation.com

About STEINHOFF Automation & Fieldbus-Systems

Founded in 1992, STEINHOFF is the industry leader for QNX[®] and fieldbus-based Distributed Open Control Systems. STEINHOFF's flexible product suite DACHS[®] includes professional high performance fieldbus I/O systems, C- and C-Talk APIs, visual cross development tools like IEC61131-3 and DACHSview, and is extendable with different communication features like OPC, CORBA etc. STEINHOFF is also experienced in consulting and custom engineering.

DACHS[®] products are used worldwide in mission critical industrial automation applications of all sizes as well as in embedded systems.