FC5121 | Infrastructure, 1-channel fieldbus card, CANopen, master/slave, PCI express, D-sub



Product status: Regular delivery

The FC512x PC plug-in cards link the PC (PCI Express) to a CANopen network. They optionally act as network master or slave. In addition, general CAN messages can be sent or received – without having to bother with CAN frames in the application program. The cards provide a powerful implementation of the protocol, offering many desirable features:

- all CANopen PDO communication types are supported: event driven, time driven (using an event timer), synchronous, polling
- individual monitoring of the process data objects
- synchronisation with the PC controller's task cycle
- SDO parameter communication at start-up and runtime
- emergency message handling
- Guarding and Heartbeat
- boot-up according to DS 302
- powerful parameter and diagnostics interfaces
- the error management for each bus user is freely configurable
- it is possible to read the bus configuration and the node parameters
- online bus load display

In TwinCAT, all functions are conveniently available.

Product information

Technical Data

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Fieldbus	CANopen
PC interface	PCI Express
Number of fieldbus channels	1
Data transfer rates	10, 20, 50, 100, 125, 250, 500, 800, 1000 kbaud
Bus interface	1 x D-sub socket, 9-pin, galvanically decoupled
Termination resistor	switchable
Hardware diagnosis	2 LEDs per channel
Bit width in the process image	total max.: 4 kbyte input and output data
Dimensions	approx. 100 mm x 130 mm
Operating temperature	0...+55 °C
Driver	TwinCAT 2.11 R3 and higher