

ExpressCard interface for up to 4 CAN/LIN channels

New CANcardXLe from Vector delivers quick and reliable bus access

Stuttgart, 06-13-2008 – Vector is introducing the new product CANcardXLe, a bus interface for notebooks with an ExpressCard slot. ECU and network developers will benefit from a CAN and LIN interface whose flexibility is based on four independent channels that can be operated with different transceivers.

On today's notebooks, the PCMCIA slots used for bus interfaces are increasingly being replaced by ExpressCard slots. CANcardXLe is an ExpressCard interface that fits right into this trend. Its new TWINcabs contain two bus transceivers in one package. They let the developer operate 4-channel applications – e.g. with 2 LIN and 2 CAN channels – on a single CANcardXLe. This gives users the advantage of a common time base with precise time stamps, and it can handle this at full bus load too.

Transceivers already used with the CANcardXL PCMCIA interface – so called CAN/LINcabs – may also be used. This makes it easy for users to implement 3-channel solutions by combining a single Cab and a TWINcab.

Since it utilizes magnetically decoupled transceivers with very low current consumption, the CANcardXLe does not require any external power supply, even when operating four channels. Like all other interfaces of Vector's XL-family it has the functions needed to develop, simulate, test and maintain CAN and LIN networks. These include detecting and generating error frames, precisely measuring bus load, and sending and receiving data frames and remote frames – and it does this with very short latency times.

Users operating a desktop PC that does not have an ExpressCard interface can access the 4 channels of the CANcardXLe by using a Vector ExpressCard drive. When different Vector interfaces are used simultaneously, identical time



stamps can be obtained by synchronizing the CANcardXLe devices via an external connection.



[Figure: High-performance access to up to 4 CAN/LIN buses with the new CANcardXLe and TWINcab.]

Revised: 6/2008

Word count: 301

Character count: 1,946

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This know-how is conveyed in the form of products or as a comprehensive consultation package with system and software engineering. Workshops and seminars round out our multifaceted training program.

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