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CANboardXL

The PCI Solution for CAN, LIN and J1708

Technical Data	
Area of application	Stationary
Microcontroller	ATMEL AT91 (ARM7 TDMI with 64 MHz)
CAN channels	Two independent channels (NXP SJA1000)
Identifier	11/29 bit
Transceiver (magnetical decoupling)	See CAN-/LIN-/J1708piggies in bus transceiver overview
PC interface	PCI; 32 bit, 33 MHz, 3.3 V/5 V
Hardware time synchronization	With SYNCcableXL
Temperature range	Operation: -20..+65 °C Storage: -40..+85 °C
Driver libraries for	C++, C, .NET (C#, Visual Basic, Delphi)
Operating system	Windows XP/Vista (32 bit), Windows 7 (32 and 64 bit)
Error Frame/Remote Frame	Detection & Generation
Max. baud rate	1 Mbit/sec
Dimensions approx.	150 x 110 x 15 mm
Power consumption (typ.)	1 W
Time stamp accuracy	1 µs
Average response time	100 µs

Included with Delivery (standard)

- CANboardXL
- Drivers for Windows XP/Vista (32 bit), Windows 7 (32 and 64 bit)
- XL-Driver-Library (32 bit driver library for C++, C, .NET)
- Documentation



CANboardXL PCIe

The PCI-Express Solution for CAN, LIN and J1708

Technical Data	
Area of application	Stationary
Microcontroller	ATMEL AT91 (ARM7 TDMI with 64 MHz)
CAN channels	Two independent channels (NXP SJA1000)
Identifier	11/29 bit
Transceiver (magnetical decoupling)	See CAN-/LIN-/J1708piggies in bus transceiver overview
PC interface	PCI Express 1x
Hardware time synchronization	With SYNCcableXL
Temperature range	Operation: 0..+65 °C Storage : -40..+85 °C
Driver libraries for	C++, C, .NET (C#, Visual Basic, Delphi)
Operating system	Windows XP/Vista (32 bit), Windows 7 (32 and 64 bit)
Error Frame/Remote Frame	Detection & Generation
Max. baud rate	1 Mbit/sec
Dimensions approx.	145 x 105 x 17 mm
Power consumption (typ.)	2.5 W
Time stamp accuracy	1 µs
Average response time	85 µs

Included with Delivery (standard)

- CANboardXL PCIe
- Drivers for Windows XP/Vista (32 bit), Windows 7 (32 and 64 bit)
- XL-Driver-Library (32 bit driver library for C++, C, .NET)
- Documentation



CANboardXL pxi

The PXI/Compact PCI Solution for CAN, LIN and J1708

Technical Data	
Area of application	Stationary
Microcontroller	ATMEL AT91 (ARM7 TDMI with 64 MHz)
CAN channels	Two independent channels (NXP SJA1000)
Identifier	11/29 bit
Transceiver (magnetical decoupling)	See CAN-/LIN-/J1708piggies in bus transceiver overview
PC interface	Compact PCI/PXI
Hardware time synchronization	With SYNCcableXL
Temperature range	Operation: -20..+75 °C Storage : -40..+85 °C
Driver libraries for	C++, C, .NET (C#, Visual Basic, Delphi)
Operating system	Windows XP/Vista (32 bit), Windows 7 (32 and 64 bit)
Error Frame/Remote Frame	Detection & Generation
Max. baud rate	1 Mbit/sec
Dimensions approx.	160 x 100 x 15 mm
Power consumption (typ.)	1 W
Time stamp accuracy	1 µs
Average response time	100 µs

Included with Delivery (standard)

- CANboardXL pxi
- Drivers for Windows XP/Vista (32 bit), Windows 7 (32 and 64 bit)
- XL-Driver-Library (32 bit driver library for C++, C, .NET)
- Documentation



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