



Kvaser PCIcanx II HS/HS

EAN: 73-30130-00343-9

The Kvaser PCIcanx II HS/HS is a dual channel, high speed CAN (controller area network) interface board for the PCI-X and PCI bus. It features an on-board microcontroller for offloading your main CPU and galvanic isolation for protection against voltage spikes.

Major Features

- Quick and easy plug-and-play installation no switches.
- Compliant with PCI 2.3.
- The board fits in both 3.3V PCI-X and 3.3V and 5V PCI busses.
- Fully software compatible with the discontinued PCIcan II boards.
- Communicates with the PC through a fast DPRAM.
- CAN Controller is a Renesas M16C.
- Supports CAN 2.0 A and 2.0 B (active).
- High-speed ISO 11898 compliant driver circuits, supports bit rates up to 1 Mbit/s.

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- Industry-standard 9-pin D-SUB connectors.
- Pin assignment according to CiA-DS102.
- 16 MHz CAN oscillator frequency.
- Galvanic isolation between the CAN-controller and the CAN-driver.
- The Kvaser PCIcanx II family boards can optionally be delivered with exchangeable CAN drivers, supporting e.g. single-wire CAN.
- Includes free of charge low profile bracket.

Warranty

• 2-Year Warranty. See our General Conditions and Policies for details.

Support

• Free Technical Support on all products available by contacting support@ kvaser.com.

Software

- Documentation, software and drivers can be downloaded for free at www.kvaser.com/downloads.
- Kvaser CANLIB SDK is a free resource that includes everything you need to develop software for the Kvaser CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, and Visual Basic.
- All Kvaser CAN interface boards share a common software API. Programs written for one interface type will run without modifications on the other interface types!
- J2534 Application Programming Interface available.
- RP1210A Application Programming Interface available.
- On-line documentation in Windows HTML-Help and Adobe Acrobat format.

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OPERATING TEMPERATURE RANGE (C)-40.00 to 85.00HEIGHT (MM)ICO.00MSGRATE RX MAXICO.00ON-BOARD RX BUFFERICO.00SILENT MODEWin XP.Linux,Win 7.Win Vista,Win 10.Win 8OPERATING SYSTEMWin XP.Linux,Win 7.Win Vista,Win 10.Win 8NETWORK CHANNEL(S)ICO.00ILENGTH (MM)ICO.00ICASSICO.00CRTIFICATIONSICO.00SOUNDICO.00CASING MATERIALICO.00IFOR FRAME DETECTIONICO.00INGERATE TX MAXICO.00INGERATE TX MAXICO.00CASING MATERIALICO.00INGRATE TX MAXICO.00INGRATE TX MAX	TECHNICAL DATA - KV	ASER PCICANX II HS/HS
MSGRATE RX MAX14000ON-BOARD RX BUFFERIntermediateSILENT MODEIntermediateMSGRATE TX MAXIntermediateOPERATING SYSTEMWin XP,Linux,Win 7,Win Vista,Win 10,Win 8NETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateNETWORK CHANNEL(S)IntermediateIntermediateIntermediateSoundIntermediateCASING MATERIALIntermediateSoundIntermediateCASING FRAME DETECTIONIntermediateInte	OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
ON-BOARD RX BUFFER International and the second secon	HEIGHT (MM)	20
SILENT MODEYesNSGRATE TX MAXGMCMCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	MSGRATE RX MAX	14000
MSGRATE TX MAX8000OPERATING SYSTEMWin XP,Linux,Win 7,Win Vista,Win 10,Win 8NETWORK CHANNEL(S)C 2 x CAN HSNETWORK CHANNEL(S)C 2 x CAN HSLENGTH (MM)C 2 x CAN HSIP CLASSC 2 x CAN HSSOUNDCERTIFICATIONSCASING MATERIALC 3 x CAN HSAGN ATERIALC 3 x CAN HSVOF CAN CHANNELSC 3 x CAN HSCONNECTORD 5 x CAN HSGAN FDSOUNDMSGRATE TX MAXS 0 x CAN HSMSGRATE TX MAXS 0 x CAN HSMAXIMUM BITRATE (KBPS)C 3 x CAN HSATABASE DBC SUPPORTS 0 x CAN HSSILENT MODES 0 x CAN HSSOUNDS 0 x CAN HSSUNDS 0 x CAN HSSUND<	ON-BOARD RX BUFFER	No
OPERATING SYSTEMWin XP,Linux,Win 7,Win Vista,Win 10,Win 8NETWORK CHANNEL(S)2 x CAN HSNETWORK CHANNEL(S)2 x CAN HSLENGTH (MM)2 x CAN HSIP CLASS9IP CLASS9CERTIFICATIONS0CERTIFICATIONS0CASING MATERIAL0PO CAN CHANNELS0VO F CAN CHANNELS0CONNECTOR0CASING MATERIAL0RROR FRAME DETECTION0CASING MATERIAL0MAXIMUM BITRATE (KBPS)0NAXIMUM BITRATE (KBPS)0ATABASE DBC SUPPORT0SILENT MODE0ON-BOARD TX BUFFER0SOUND0SOUND0OND0SOUND<	SILENT MODE	Yes
NETWORK CHANNEL(S)2 × CAN HSNETWORK CHANNEL(S)2 × CAN HSLENGTH (MM)3 × CAN HSIP CLASSPCOCERTIFICATIONSCERORSOUNDCERTIFICATIONSCASING MATERIAL3 × CAN HSP CAN CHANNELS3 × CAN HS4 OF CAN CHANNELS3 × CAN HSCONNECTORDSUB9CAN FDSOUNDMAXIMUM BITRATE (KBPS)3 × CAN HSNAXIMUM BITRATE (KBPS)1 × CAN HSSILENT MODEY × CAN HSSOUNDY × CAN HS	MSGRATE TX MAX	8000
NETWORK CHANNEL(S)2 x CAN HSLENGTH (MM)2 x CAN HSIP CLASSIP ODCERTIFICATIONSIP ODSOUNDCERORCASING MATERIALIM ODCASING MATERIALIM ODPOF CAN CHANNELSIM ODCONNECTORIM ODCAN FDIM ODMSGRATE TX MAXIM ODMAXIMUM BITRATE (KBPS)IM ODDATABASE DBC SUPPORTIM ODSILENT MODEIM ODON-BOARD TX BUFFERIM ODSOUNDIM ODODDIM ODODNDIM ODODDIM ODODDIM ODODDIM ODODDIM ODODDIM ODILENT MODEIM ODODNDIM ODODDIM ODODDIM ODODDIM ODIM OD<	OPERATING SYSTEM	Win XP,Linux,Win 7,Win Vista,Win 10,Win 8
LENGTH (MM)(M)IP CLASSIP COIP CLASSIP COCERTIFICATIONSCERCRACESOUNDIP COCASING MATERIALIP COCASING MATERIALIP CO# OF CAN CHANNELSIP COCONNECTORIP COCAN FDIP COMSGRATE TX MAXIP COMAXIMUM BITRATE (KBPS)IP COCAN FDIP COIP COUNTERS READINGIP COSILENT MODEIP COON-BOARD TX BUFFERIP COSOUNDIP COONDIP COOPERAING SYSTEMIP COIP CONTERS READINGIP CO	NETWORK CHANNEL(S)	2 x CAN HS
IP CLASSIP OLIP CLASSCRETIFICATIONSCOUNDCERTIFICATIONSSOUNDCASING MATERIALCASING MATERIALCOLPROR FRAME DETECTIONYes# OF CAN CHANNELSCOLCONNECTORDSUB 9CAN FDSUB 9MASGRATE TX MAXS000MAXIMUM BITRATE (KBPS)COLDATABASE DBC SUPPORTCOLFROR COUNTERS READINGCOLSILENT MODEYesON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWIN 24, WIN 24,	NETWORK CHANNEL(S)	2 x CAN HS
CERTIFICATIONSCERCIFICATIONSSOUNDNoCASING MATERIALNoCASING MATERIALNoERROR FRAME DETECTIONStatement# OF CAN CHANNELSStatementCONNECTORStatementCAN FDStatementMSGRATE TX MAXStatementMAXIMUM BITRATE (KBPS)StatementDATABASE DBC SUPPORTStatementFIROR COUNTERS READINGStatementSILENT MODEStatementSOUNDSOUNDOPERATING SYSTEMWin XP,Linux,Win Z, Win	LENGTH (MM)	95
SOUNDNoCASING MATERIALICONACTORERROR FRAME DETECTIONYes# OF CAN CHANNELSICONACTORCONNECTORDSUB 9CAN FDSOUNDMSGRATE TX MAXS000MAXIMUM BITRATE (KBPS)ICONACTORDATABASE DBC SUPPORTNoFROR COUNTERS READINGYesSILENT MODEYesSOUNDNoSOUNDNoON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWINZPLINUX/WINJUMUSIAN	IP CLASS	IPOO
CASING MATERIALMAERROR FRAME DETECTIONYes# OF CAN CHANNELSCONNECTORCONNECTORDSUB 9CAN FDSOUNDMAXIMUM BITRATE (KBPS)CONNECTORDATABASE DBC SUPPORTSOUNDSILENT MODEYesSOUNDSOUNDSOUNDSOUNDOPERATING SYSTEMWin XP,Linux,Win Z,Min L, Min L,	CERTIFICATIONS	CE,RoHS
ERROR FRAME DETECTION Yes # OF CAN CHANNELS CONNECTOR CONNECTOR DSUB 9 CAN FD MSGRATE TX MAX MSGRATE TX MAX CONOND MAXIMUM BITRATE (KBPS) CONOND DATABASE DBC SUPPORT CONOND SILENT MODE Yes ON-BOARD TX BUFFER Yes SOUND Win XP,Linux,Win Z,Win L,Win L,Win L,Win L,Win L, Win	SOUND	No
# OF CAN CHANNELS2CONNECTORDSUB 9CAN FDCONNECTORMSGRATE TX MAX8000MAXIMUM BITRATE (KBPS)CONNECTORDATABASE DBC SUPPORTNoERROR COUNTERS READINGCONSOLSILENT MODEYesON-BOARD TX BUFFERNoSOUNDMIX MUNELSTALEOPERATING SYSTEMWIN XPLUNZWIN ZUMANANANANANANANANANANANANANANANANANANAN	CASING MATERIAL	N/A
CONNECTORDSUB 9CAN FDImage: Constant of the state of the	ERROR FRAME DETECTION	Yes
CAN FDNoMSGRATE TX MAX8000MAXIMUM BITRATE (KBPS)0DATABASE DBC SUPPORTNoERROR COUNTERS READING0SILENT MODEYesON-BOARD TX BUFFER1000SOUNDNoOPERATING SYSTEMWin XP,Linux,Win J,Suk,Win J,Win Ska,Win J, Win Ska,Win J, Win	# OF CAN CHANNELS	2
MSGRATE TX MAX8000MAXIMUM BITRATE (KBPS)6DATABASE DBC SUPPORTNoERROR COUNTERS READING6SILENT MODEYesON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWin XP,Linux,Win JStat,Win 10,Win 8	CONNECTOR	DSUB 9
MAXIMUM BITRATE (KBPS)1000DATABASE DBC SUPPORTNoERROR COUNTERS READINGCOLONNESILENT MODEYesON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWin XP,Linux,Win T,Suth Win to,Win S	CAN FD	No
DATABASE DBC SUPPORTNoERROR COUNTERS READINGCOUNTERS READINGSILENT MODEYesON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWin XP,Linux,Win T,Sta,Win 10,Win 8	MSGRATE TX MAX	8000
ERROR COUNTERS READINGYesSILENT MODEYesON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWin XP,Linux,Win 7,Win Vista,Win 10,Win 8	MAXIMUM BITRATE (KBPS)	1000
SILENT MODEYesON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWin XP,Linux,Win 7,Win Vista,Win 10,Win 8	DATABASE DBC SUPPORT	No
ON-BOARD TX BUFFERNoSOUNDNoOPERATING SYSTEMWin XP,Linux,Win 7,Win Vista,Win 10,Win 8	ERROR COUNTERS READING	Yes
SOUND No No OPERATING SYSTEM Win XP,Linux,Win 7,Win Vista,Win 10,Win 8	SILENT MODE	Yes
OPERATING SYSTEM Win XP,Linux,Win 7,Win Vista,Win 10,Win 8	ON-BOARD TX BUFFER	No
	SOUND	No
RUGGED No	OPERATING SYSTEM	Win XP,Linux,Win 7,Win Vista,Win 10,Win 8
	RUGGED	No

TECHNICAL DATA - KVASER PCICANX II HS/HS

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GALVANIC ISOLATION	Yes
CAN FD	No
ERROR FRAME DETECTION	Yes
CB BOARD	No
CB BOARD	No
ON-BOARD BUFFER	Yes
ON-BOARD TX BUFFER	Yes
TIMESTAMP RESOLUTION (US)	N/A
ON-BOARD RX BUFFER	Yes
PLAY BACK LOG FILE	No
CERTIFICATIONS	CE,RoHS
# OF CAN CHANNELS	2
API, FREE	Kvaser API, J2534, RP 1210
LENGTH (MM)	95
CLOCK SYNC	No
PRODUCT GROUPS	PCI
CURRENT CONSUMPTION	Approximately 1W (200mA)
TIMESTAMP RESOLUTION (US)	10
MSGRATE RX MAX	14000
WEIGHT (G)	100.0
MINIMUM BITRATE (KBPS)	N/A
CASING MATERIAL	
MINIMUM BITRATE (KBPS)	20
ERROR FRAME GENERATION	Yes
IP CLASS	IPOO
CURRENT CONSUMPTION	1W200mA
GALVANIC ISOLATION	Yes
API, LICENCED	

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ON-BOARD BUFFER	Yes
PRODUCT GROUPS	PCI
ERROR COUNTERS READING	Yes
PC INTERFACE	PCI
API, FREE	Kvaser API, J2534, RP1210
WEIGHT (G)	100.0
EMBEDDED SCRIPT	No
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
CLOCK SYNC	No
WIDTH (MM)	120
WIDTH (MM)	120
ERROR FRAME GENERATION	Yes
API, LICENCED	None
EMBEDDED SCRIPT	No
STATUS	Active
RUGGED	No
MAXIMUM BITRATE (KBPS)	1000
HEIGHT (MM)	20
STATUS	Active
CONNECTOR	DSUB 9
PC INTERFACE	PCI
The infor	mation herein is subject to change without notice

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