Product information

Kvaser LAPcan II

CAN/PCMCIA (PCcard) interface with 2 channels

The Kvaser LAPcan II is a two-channel CAN interface for the PC card (PCMCIA) bus.
It is equipped with dual Philips SJA1000 CAN controllers, and has a high performance microprocessor and memory architecture, as well as enchanced ESD robustness.

Major features

· Quick and easy plug-and-play installation
· The CAN drivers (DRVcans) are exchangeable; see below
· PC card (PCMCIA) type II, on-board C161 16-bit controller
· Ultrasonically welded card frame
· Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers
· Driver support for major Operating Systems
· Physical layer depends on the DRVcan type
· Large on-board RAM buffer for CAN messages
· Supports ”listen-only” mode for analyzing tools
· The on-board firmware will auto-detect the type of DRVcan

DRVcan required cable, connector and CAN driver for LAPcan II

·For maximum flexibility and maintainability the CAN driver circuit is built into LAPcan II interface cables.
Please see separate documentation of our DRVcans.
·The Kvaser DRVcans must be purchased separately and are not included with the LAPcan II. Note that one or two DRVcans are required to use the LAPcan II.

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Additional software and documentation

·32-bit drivers for Windows 95/98/ME/NT 4.0/2000/XP, Windows CE and Linux.
·Kvaser CANLIB SDK, which includes everything you need to develop software for the Kvaser CAN boards.
Includes full documentation and many program samples, written in C, C++, Delphi, Visual Basic, and C#. All Kvaser CAN interface boards share a common software API. Programs written for one board type will run without modifications on the other board types!
·On-line documentation in Windows HTML-Help and Adobe Acrobat format.
·Documentation software and drivers can be downloaded for free at www.kvaser.com or purchased separately on CD if preferred.
·Download the User's Guide in PDF format.

Additional hardware

·If you want to use the LAPcan II on a stationary computer in a convenient way, we do recommend that you use these PCMCIA to ISA or PCI adapters.

SPECIFICATIONS

General

Size:	PCCard (PCMCIA) Type II 85 x 53.5 x 5 mm (approx. 3.4 x 2.1 x 0.2 in.)
Voltage feed:	5 V DC
Power consumption:	110 mA
Connectors:	2 x 15-pin to DRVcan's
Controllers:	2 x SJA1000 (Philips)
CAN drivers:	Depends on attached DRVcan

LAPcan family comparison

LAPcan model:	I	II
DRVcan compatibility	x	x
Enhanced real-time performance	-	x
Enhanced driver library	-	x
Superior EMC performance	-	x
Extended OS compliance	-	x
DRVcan hot-swap support	-	x

Kvaser LAPcan II (Item No. 00115-2)

·Extensive software support
·High ESD performance
·PC card type II
·Two CAN channels
·Supports CAN 2.0A and 2.0B
·Exchangeable CAN drivers
·32-bit high performance driver support

Application support

ATI Vision™
ATI Apollo™
ATI CANlab™
Ficosa CANica™
Kvaser CanKing™
National Instruments LabView™
National Instruments DIAdem™
VAT 2000™
Warwick X-Analyser™
Vector CANalyzer™
Vector CANoe™
Vector CANape™
Warwick X-Analyser™
Xtm™ ***(distributed by agostec)***

Software Platforms

Windows 2000/XP/Server 2003,
Windows 95/98/ME,
Windows Nt4,
WinCE,
Linux,