

Kvaser LAPcan II



Application Support

- ATI Apollo™
- ATI CANlab™
- ATI Vision™
- Ficoso CANica™
- Kvaser CanKing™
- National Instruments DIAdem™
- National Instruments LabView™
- VAT2000™
- Vector CANalyzer™
- Vector CANoe™
- Vector CANape™
- Warwick X-Analyser™
- Xtm™

Supported OS

- Windows 98/ME/2000/CE/XP™
- Linux

Product Versions

- Kvaser LAPcan
- Kvaser LAPcan II

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 enhanced ESD robustness.

Major features of LAPcan II

- Hassle-free installation, quick and easy p&e 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.
- Wide range of bus transceivers in Kvaser DRVcan/DRVlin.
- 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.

Additional hardware

If you want to use the LAPcan on a stationary computer in a convenient way, we recommend an ISA to PCMCIA like the SCM SwapBox SBI-D2P. Contact us for more information.



Additional software and documentation

- CANlib SDK code libraries and sample programs
- On-line documentation in Windows HTML-Help. Documentation software and drivers can be downloaded for free at www.kvaser.com

DRVcan – CABLE, CONNECTOR AND CAN DRIVER FOR LAPCAN

Product	Transceiver	Baudrate range	Power	Preferred Application area
DRVcan 251	82C251	1 Mbit High Speed	Supplied by LAPcan	Automotive, automation, avionics, space tech., marine electronics
DRVcan 1050	TJA 1050	50 kbit to 1 Mbit	Supplied by LAPcan	Automotive, automation, avionics, space tech., marine electronics
DRVcan 1053	TJA 1053	125 kbit Low Speed	Supplied by LAPcan	Automotive (body electronics bus)
DRVcan 1054	TJA 1054	125 kbit Low Speed	Supplied by LAPcan	Automotive (body electronics bus)
DRVcan Dnopto	82C251, HP7101 or compatible opto-couplers	1 Mbit High Speed	Supplied by LAPcan	Automotive, automation, avionics, space tech., marine electronics
DRVcan Fi HS	82C251	1 Mbit High Speed	Supplied by LAPcan and CAN bus	EMC measurements
DRVcan Fi LS	TJA 1054	125 kbit Low Speed	Supplied by LAPcan and CAN bus	EMC measurements
DRVcan Fi SWC	AUS5790D	100 kbit	Supplied by LAPcan and SWC bus	EMC measurements
DRVcan S	AUS5790D	100 kbit	Supplied by LAPcan and SWC bus	Automotive, automation, avionics, space tech., marine electronics
DRVlin	MC33399 HCPL0600 or compatible opto-couplers	1 to 20 kbit	Supplied by LAPcan and LIN bus	Automotive, automation, avionics, space tech., marine electronics

SPECIFICATIONS

General		LAPcan family comparison	
Size:	PCCard (PCMCIA) Type II. 85 x 53.5 x 5 mm (approx. 3.4 x 2.1 x 0.2 in.)	LAPcan model:	I II
Voltage feed:	5 V DC.	DRV can compatibility	x x
Power consumption:	110 mA + consumption of the DRVcans	Enhanced realtime performance	– x
Connectors:	2 x 15-pin to DRVcans	Enhanced driver library	– x
Controllers:	2 x SJA1000 (Philips)	Superior EMC performance	– x
CAN drivers:	Depends on attached DRVcan	Extended OS compliance	– x
		DRVcan hot-swap support	– x

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