



Kvaser BlackBird v2

EAN: 73-30130-00671-3

Kvaser BlackBird v2 is a high performance wireless (WLAN) communication link for the High Speed CAN bus. More powerful and versatile a WLAN solution than Kvaser's original BlackBird, Kvaser BlackBird v2 incorporates a new radio chip with up to 75% better range.

The BlackBird v2's ability to leverage existing wireless infrastructure makes it ideal for replacing cumbersome cable, accessing hard-to-reach CAN networks, or for monitoring a CANbus while in motion.

Major Features

- WLAN version 802.11b/g/n.
- IP65-rated for protection against water and dust.
- Responds to increased market demand for iOS and Android API with a “device agnostic” HTTP-based REST API ([more info on REST >>](#))
- Up to 75% increased range.

- Works in AdHoc and Infrastructure mode.
- Lightweight but highly rugged aluminum housing.
- Polyurethane cabling suitable for extreme environments.
- Galvanic isolation of the CAN bus driver stage to protect the hardware.
- Interfaces the CAN bus with a standard D-SUB connector.
- Configured via USB connection.
- Can be used as a wired interface.
- Operating voltage CAN bus (7 - 40 V DC).
- Messages are time-stamped and synchronized with a precision of 25 microsecond.
- Supports High Speed CAN (ISO 11898-2).
- Supports 11-bit and 29-bit identifiers.

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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TECHNICAL DATA - KVASER BLACKBIRD V2

MSGRATE RX MAX	15000
IP CLASS	65
SOUND	No
IP CLASS	IP65
OPERATING SYSTEM	Win Vista,Win 10,Win 8,Win 7,Win XP
ON-BOARD BUFFER	Yes
CASING MATERIAL	Aluminium
API, FREE	Kvaser API, J2534, RP 1210
PRODUCT GROUPS	Blackbird
WEIGHT (G)	200.0
WIDTH (MM)	30
MSGRATE TX MAX	15000
ON-BOARD TX BUFFER	Yes
PC INTERFACE	WiFi
LENGTH (MM)	170
ERROR FRAME DETECTION	Yes
CB BOARD	No
WIDTH (MM)	30
HEIGHT (MM)	20
ERROR FRAME GENERATION	Yes
ERROR COUNTERS READING	Yes
RUGGED	No
CB BOARD	No
ERROR COUNTERS READING	Yes
SOUND	No
GALVANIC ISOLATION	Yes
# OF CAN CHANNELS	1

IP CLASS	IP65
WEIGHT (G)	200.0
# OF CAN CHANNELS	1
CURRENT CONSUMPTION	USB-5V370mA CAN4.2W
EMBEDDED SCRIPT	No
CLOCK SYNC	No
CAN FD	No
PRODUCT GROUPS	Blackbird
CLOCK SYNC	No
GALVANIC ISOLATION	Yes
TIMESTAMP RESOLUTION (US)	1
CERTIFICATIONS	CE,RoHS
OPERATING TEMPERATURE RANGE (C)	-40.00 to 70.00
MINIMUM BITRATE (KBPS)	40
OPERATING SYSTEM	Win 10,Win Vista,Win 8,Win 7,Win XP
ON-BOARD BUFFER	Yes
SILENT MODE	Yes
PLAY BACK LOG FILE	No
CONNECTOR	DSUB 9
ON-BOARD RX BUFFER	Yes
TIMESTAMP RESOLUTION (US)	25
EMBEDDED SCRIPT	No
OPERATING TEMPERATURE RANGE (C)	-40.00 to 70.00
ERROR FRAME DETECTION	Yes
NETWORK CHANNEL(S)	1 x CAN HS
MAXIMUM BITRATE (KBPS)	1000
CASING MATERIAL	
CAN FD	No

MINIMUM BITRATE (KBPS)	40
HEIGHT (MM)	20
LENGTH (MM)	170
MSGRATE RX MAX	15000
ON-BOARD TX BUFFER	Yes
MSGRATE TX MAX	15000
NETWORK CHANNEL(S)	1 x CAN HS
STATUS	
STATUS	Active
CERTIFICATIONS	CE,RoHS
SILENT MODE	Yes
RUGGED	No
API, LICENCED	
CONNECTOR	DSUB 9
ERROR FRAME GENERATION	Yes
CURRENT CONSUMPTION	Typical values are: 370mA if powered from the USB (-5 V). 4.2W for single channel powered from the CAN bus.
DATABASE DBC SUPPORT	No
API, LICENCED	None
PC INTERFACE	WiFi
API, FREE	Kvaser API
ON-BOARD RX BUFFER	Yes
MAXIMUM BITRATE (KBPS)	1000

The information herein is subject to change without notice