



### 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](mailto:support@kvaser.com).

## Software

- Documentation, software and drivers can be downloaded for free at [www.kvaser.com/downloads](http://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.

### TECHNICAL DATA - KVASER BLACKBIRD V2

STATUS	Active
WEIGHT (G)	165.0
IP CLASS	IP65
STATUS	Active
OPERATING TEMPERATURE RANGE (C)	-40.00 to 70.00
API, FREE	Kvaser API, J2534, RP 1210
MINIMUM BITRATE (KBPS)	40
ERROR FRAME DETECTION	Yes
ON-BOARD BUFFER	Yes
CB BOARD	No
EMBEDDED SCRIPT	No
WIDTH (MM)	30
GALVANIC ISOLATION	Yes
CAN FD	No
# OF CAN CHANNELS	1
PLAY BACK LOG FILE	No
EMBEDDED SCRIPT	No
WEIGHT (G)	200.0
NETWORK CHANNEL(S)	1 x CAN HS
PC INTERFACE	WiFi
ON-BOARD BUFFER	Yes
CAN FD	No
RUGGED	No
MSGRATE TX MAX	15000
PRODUCT GROUPS	Blackbird
CASING MATERIAL	
ERROR COUNTERS READING	Yes

NETWORK CHANNEL(S)	1 x CAN HS
CONNECTOR	DSUB 9
OPERATING SYSTEM	Win XP,Win 7,Win Vista,Win 10,Win 8
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CASING MATERIAL	Aluminium
CLOCK SYNC	No
SOUND	No
OPERATING TEMPERATURE RANGE (C)	-40.00 to 70.00
CB BOARD	No
ON-BOARD TX BUFFER	Yes
PRODUCT GROUPS	Blackbird
# OF CAN CHANNELS	1
API, LICENCED	
ERROR FRAME GENERATION	Yes
MSGRATE RX MAX	15000
ON-BOARD RX BUFFER	Yes
CERTIFICATIONS	CE,RoHS
ERROR FRAME GENERATION	Yes
ON-BOARD RX BUFFER	Yes
SILENT MODE	Yes
MSGRATE RX MAX	15000
LENGTH (MM)	170
CLOCK SYNC	No
API, LICENCED	None
API, FREE	Kvaser API
HEIGHT (MM)	17
CONNECTOR	DSUB 9
MAXIMUM BITRATE (KBPS)	1000

MSGRATE TX MAX	15000
ON-BOARD TX BUFFER	Yes
PC INTERFACE	WiFi
SOUND	No
LENGTH (MM)	190
HEIGHT (MM)	20
TIMESTAMP RESOLUTION (US)	25
CURRENT CONSUMPTION	Typical values are: 370mA if powered from the USB (-5 V). 4.2W for single channel powered from the CAN bus.
RUGGED	No
MINIMUM BITRATE (KBPS)	40
CURRENT CONSUMPTION	USB-5V370mACAN4.2W
DATABASE DBC SUPPORT	No
GALVANIC ISOLATION	Yes
CERTIFICATIONS	CE,RoHS
TIMESTAMP RESOLUTION (US)	25
ERROR COUNTERS READING	Yes
IP CLASS	IP65
ERROR FRAME DETECTION	Yes
WIDTH (MM)	30
MAXIMUM BITRATE (KBPS)	1000
SILENT MODE	Yes

The information herein is subject to change without notice