

Kvaser USBcan Product Comparison Table

Property	Kvaser USBcan Professional HS/HS	Kvaser USBcanII/USBcan Rugged HS or HS/HS	Kvaser USBcanII/USBcan Rugged HS/LS	Kvaser USBcanII/USBcan Rugged HS/SWC
PC interface	USB 2.0, 1.1	USB 2.0, 1.1	USB 2.0, 1.1	USB 2.0, 1.1
PC communication type	USB 2.0	USB 1.1	USB 1.1	USB 1.1
Number of CAN channels	2	1 or 2	2	2
CAN physical layer	HS ¹ / HS ¹	HS ¹ or HS ¹ / HS ¹	HS ¹ / LS ²	HS ¹ / SWC ³
CAN 2.0 and 2.0 B	Yes	Yes	Yes	Yes
Bit rate (Kbits/s)	10 – 1000 / 10 – 1000	50 – 1000 / 50 – 1000	50 – 1000 / 10 – 125	50 – 1000 / 5 – 50/100
Temperature range (Celsius)	-40 – +85	-40 – +85	-40 – +85	-40 – +85
Power Supply	USB or CAN bus	USB or CAN bus	USB or CAN bus	USB or CAN bus
Galvanic isolation	Yes	No	No	No
Clock accuracy (µs)	2	30	30	30
Clock synchronisation of multiple devices	Yes	No	No	No
Bus interface performance (Messages/s)	40 000	12 000	12 000	12 000
Error counters reading	Yes	Yes	Yes	Yes
Error frame generation	Yes	Yes	Yes	Yes
Silent mode	Yes	Yes	Yes	Yes
Mix 11 / 29 bit messages	Yes	Yes	Yes	Yes
LED indicators	4	4	4	4
CAN connector	9-pin DSUB / RJ45	9-pin DSUB	9-pin DSUB	9-pin DSUB
Kvaser CANlib Software Development Kit	Yes	Yes	Yes	Yes
Kvaser CANKing, easy to use CAN bus monitor	Yes	Yes	Yes	Yes
Driver for Windows 98/ME	Yes	Yes	Yes	Yes
Driver for Windows 2000/XP	Yes	Yes	Yes	Yes
Driver for Windows Vista	Yes	Yes	Yes	Yes
Driver for Linux	Yes	Yes	Yes	Yes
Driver for Windows CE	(Note a)	(Note a)	(Note a)	(Note a)
RP1210A API	Yes	Yes	Yes	Yes
J2534 API	Yes	Yes	Yes	Yes
Driver for LabVIEW	Yes	Yes	Yes	Yes
Driver for DIAdem	Yes	Yes	Yes	Yes
Contents of delivery	Kvaser USBcan Professional, USB cable, Software and drivers	Kvaser USBcanII/USBcan Rugged, USB cable, Software and drivers	Kvaser USBcanII/USBcan, USB cable, Software and drivers	Kvaser USBcanII/USBcan, USB cable, Software and drivers
1) ISO 11898-2				
2) ISO 11898-3				
3) SAE J2411, GMLAN				

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Notes

a) Work in progress, please contact us if interested.

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