

## 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 <sup>1</sup> / HS <sup>1</sup>                           | HS <sup>1</sup> or HS <sup>1</sup> / HS <sup>1</sup>           | HS <sup>1</sup> / LS <sup>2</sup>                       | HS <sup>1</sup> / SWC <sup>3</sup>                      |
| 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  | 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                    | (Note a)  | (Note a)   | (Note a)  | (Note a)  |
| 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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