



Model HDV100A1 J1708 and J1939 RS-232 Converter CE

The B&B Electronics **VIA™** Model HDV100A1 connects your PC or laptop to the J1708/J1587 and J1939 bus found on most heavy-duty vehicles.

The HDV100A1 follows a simple operational protocol to communicate to the J1708 and J1939 bus. The complete Control Response protocol is published on B&B's website www.vehicleinterface.com. The HDV100A1 solves timing problems encountered when operating in the Windows environment. An embedded microprocessor handles buffering and timing for the bus, thereby reducing bus collisions. This allows your data to access the bus with a much greater degree of precision than a non-intelligent interface adapter.

The HDV100A1 also features a "dumb mode". In this mode the HDV100A1 operates simply as a byte shifter and uses the CTS line to signal a bus idle condition. This feature allows software applications designed to run with non-intelligent adapters, such as B&B Electronics model 232SAER, to work with the HDV100A1.

Accessory cabling is available (see the following B&B cable models) for the HDV100A1 to make connections to the PC or laptop as well as the J1708/J1587 bus.

- Model D6D15M DB15 male to Deutsch 6-pin cable, 40 in (1.0 m)
- Model D9D15M DB15 male to Deutsch 9-pin cable, 40 in (1.0 m)
- Model 9PAMF6B DB9 male to DB9 female cable, 6 ft (1.8 m)

Specifications

Dimensions:	4.1 x 1.7 x 0.8 in (104.1 x 43.2 x 20.3 mm)
RS-232 Connection:	DB9 female, DCE
Bus Connection:	DB15 female
Pins 6, 7:	Ground
Pin 8:	Power
Pins 12, 13:	CAN low, CAN high
Pins 14, 15:	J1708-, J1708+
Operating Temperature:	-40 to 85 °C (-40 to 185 °F)
Input Voltage:	10 to 42 VDC
Input Current @12 VDC:	50 mA typical, 134 mA max

DECLARATION OF CONFORMITY

Manufacturer's Name:	B&B Electronics Manufacturing Company
Manufacturer's Address:	P.O. Box 1040 707 Dayton Road Ottawa, IL 61350 USA
Model Numbers:	HDV100A1
Description:	Heavy Duty Vehicle Interface
Type:	Light industrial equipment
Application of Council Directive:	89/336/EEC
Standards:	EN 55022 EN 61000-6-1 EN 61000 (-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11)

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