BB-HD3-A3

J1939 and J1708 Heavy-duty Intelligent Vehicle Interface Adapter



Features

- Supports J1939 (250k & 500k) & J1708/J1587 interfaces
- Built to withstand harsh environments
- Wide temperature range: -40 to +85 °C
- · Shock, vibration and drop tested
- Over-the-air (OTA) upgradeable
- · Vibration, shock, drop tested
- SAEJ1113/11, /13, /14 approvals

Overview

Model BB-HD3-A3, heavy-duty vehicle interface adapter, connects your onboard computer, wireless gateway, PC or vote p to the J1939 and J1708/J1587 bus found on most heavy-duty vehicles. The connection is made through a reliable, industry standard, wired RS-232 interface.

Model BB-HD3-A3 follows a simple operational protocol to communicate with the J1708 and J1939 buy shielding the user from the complex vehicle interface.

The BB-HD3-A3 also solves timing problems often encountered when operating in Windows or c. he c. S. environments. An embedded microprocessor handles buffering and bus timing, reducing data collisions, allowing vehicle data access with much greater precision than a non-in-delligent interface adapter.

With built-in database and algorithms, Model BB-HD3-A3 provides a simple, operational protocol communicate to the OBD bus. The Command and Response Protocol Manual is available on the website.



Dimensions Unit: mm [inch] 94.84 [3.734] 103.71 [4.083]

Specifications

Vehicle Interfaces

OBD Data Support

Bus

Host Connection

Operating Temperature

Operating Voltage Range

Max Transient Voltage

Input Current @12 VDC

Power Consumption

Enclosure Dimensions

Y-Cable Dimensions

• MTBF (Meantime Between Failures) 174465 hours

J1939 & J1708/J1587

1996 and newer heavy-duty vehicles

DB15 female

RS-232: DB9 femal DCE

-40 to +85 °C

8 to 30 V_{DC}

50 A typic 1, 134 mA maximum 9.6W typical, 1.6W maximum

(.'ey On)

104.1 x 43.2 x 20.3 mm

533 mm, integrated

Ordering Information

 BB-HD3-A3 J1939 and J1708 Intelligent Heavy-duty Vehicle Interface Adapter

Accessories - sold separately

BB-D66Y 6-Pin Deutsch Integrated Y-Cable

BB-D99Y 9-Pin Deutsch Integrated Y-Cable

BB-D99TYPE2 9-Pin Deutsch Integrated Y-Cable, 500k CAN