



Diagnostic Hub

ACC-BDH(E) DATASHEET



Overview

The Diagnostic Hub is an accessory for the Samsara Vehicle Gateway that enables customers to pull additional diagnostics from vehicles of specific makes, models, and years. It offers four USB 2.0 ports, five auxiliary input ports, and plugs directly into Samsara's Vehicle Gateway Molex connector as well as its USB port.

Highlights

- **Additional Diagnostics:** Provides access to additional diagnostic data over Single Wire CAN, ISO 9141, ISO 14230, KWP200, J1850 VPW and PWM, and 2 Additional High-Speed CAN lines.
- **4 USB 2.0 Connections:** Four USB 2.0 ports are accessible through the Diagnostic Hub.
- **5 Auxiliary Input Ports:** Future support for five auxiliary digital input ports will be accessible through the Diagnostic Hub and customizable in the Samsara dashboard.

Diagnostic Protocols Supported

Interfaces and Protocols	Supported by ACC-BDH(E)	Supported by VG34
OBDII	Yes	Yes
J-1939	Yes	Yes
J-1708	Yes	Yes
RP-1226	Yes	Yes
Single Wire CAN	Yes	No
J1850 (VPW, PWM) with ACC-BDHE	Yes	No
ISO 9141 (K-Line, KWP2000, 14230)	Yes	No
Secondary High Speed CAN	Yes	No
Third High-Speed CAN	Yes	No

Hardware Specifications

Material	Polycarbonate
Physical Dimensions	98mm x 66mm x 25mm
Weight	150 g
USB Port	4 USB 2.0 Ports
Auxiliary Input Port	8 Pin Molex Connector
Diagnostic Port	16 Pin Molex Connector
Auxiliary Inputs	Future support for 5 digital inputs for monitoring specialized equipment. Maximum voltage 30V, Vil 1.2V, VIH 2V.
Input Voltage Range (Power)	0-48V
Output USB Cable Length	25 mm
Output VG34 Connector Cable Length	25 mm