

CAN/J1939 Data Base Recorder (CAN-DBR / J1939-DBR)

Descriptions

The product J1939-DBR has two high performance independent CAN communication channels that can be configured to store either CAN or J1939 data concurrently. The J1939 data can be accessed via actively or passive mode on any parameters specified by customers. This product is beneficial to ADAS (Advanced Driving Assistant System) or FMS (Fleet Management System) product development for heavy duty vehicles. The hardware is also applicable for the IVN(In-Vehicle-Networking) gateway design with firmware design by request.

Features

- Supports CAN Bus 2.0A, B (ISO 11898-2)
- Supports Dual CAN Bus
- Supports Record SAE J1939 Protocol ^{*1}
 - Over 30 SPNs data
- Supports Record ISO 11898-2 (raw data) ^{*1}
- Support 8 ~ 256 GB class 10 MicroSD
 - File type: .txt or .csv
- Monitor interface: Bluetooth (Ver. 2.0 & 4.0 (Both))
- Interface: J1962 port / Contactless CAN Probe ^{*2}
- Compliance with the automotive EMS test level:
 - BCI (ISO 11452-4)
 - EFT (IEC 61000-4-4)
 - ESD (IEC61000-4-2)

^{*1} Require update Firmware change Protocol

^{*2} Contactless CAN Probe Only support record J1939 or CAN raw data

Specifications

Electrical		CAN Bus		Storage Media	
Input Voltage	+12V to +30VDC	Channels	2	Storage type	MicroSD
Input Max Current	0.42A @ +12V	Standard	High-speed CAN connection (ISO 11898-2)	Speed Class	10
Power Consumption	< 5W	Support ID	2.0A (11-bit ID) & 2.0B (29-bit ID)	Capacity	Require 32 GB up to 256GB
Protection	+/- 25kV HBM ESD, +/12kV IEC ESD	Speed	5Kbit/s to 1Mbit/s	File type	TXT or CSV
Interface		SAE J1939 Protocol			
Bluetooth	Ver. 2.0, 4.0 (Both)	PGNs	Up to 29		
UART	Up to 11.52 KB/s	SPNs	Up to 101		
Physical					
Operation Temperature	0°C to 70°C	Dimensions	H35 x W73 x D125 (mm)	Weight	400g

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CAN/OBDII/J1939/LIN Solution Provider