

OABR2CAN

Media Gateway



OABR2CAN is an automotive media gateway between one OPEN Alliance BroadR-Reach® (OABR) interface and two high-speed CAN interfaces. A user-editable routing table stores the information of how the data is transferred between the interfaces.

If there is no activity on the connected CAN buses, the media gateway can optionally be put into sleep mode to reduce power consumption. The sleep timeout is configurable via software.

Basic configuration is realised with DIP switches, and LEDs provide information about the current status of the media gateway and the connected interfaces. The firmware of the device can be updated via USB bootloader.

Features

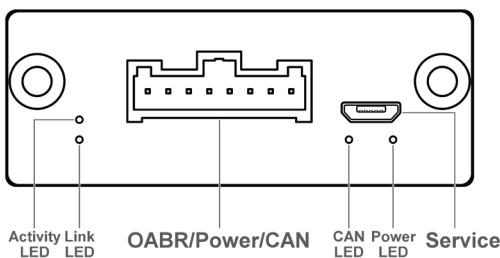
- Converts between OABR and CAN
- Sleep/wake up via CAN transceiver
- Configuration via DIP switches
- Firmware update via USB bootloader
- Rugged aluminium enclosure

Specifications

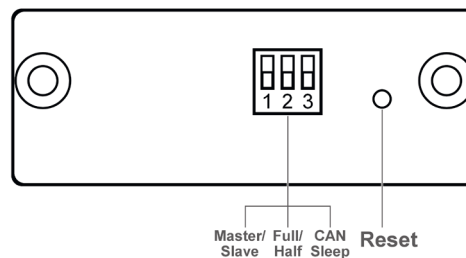
- Dimensions (H x W x D)
21 x 56 x 104 mm
- Temperature range
-40 °C to +65 °C
- Supply voltage
5 V to 28 V
- Current consumption
max. 120 mA
- Current consumption (standby)
max. 4 mA
- CAN baud rate
100 kbit/s to 1 Mbit/s

Delivery Contents

- OABR2CAN media gateway
- Cable set (optional)
- Software
- Manual



Front view



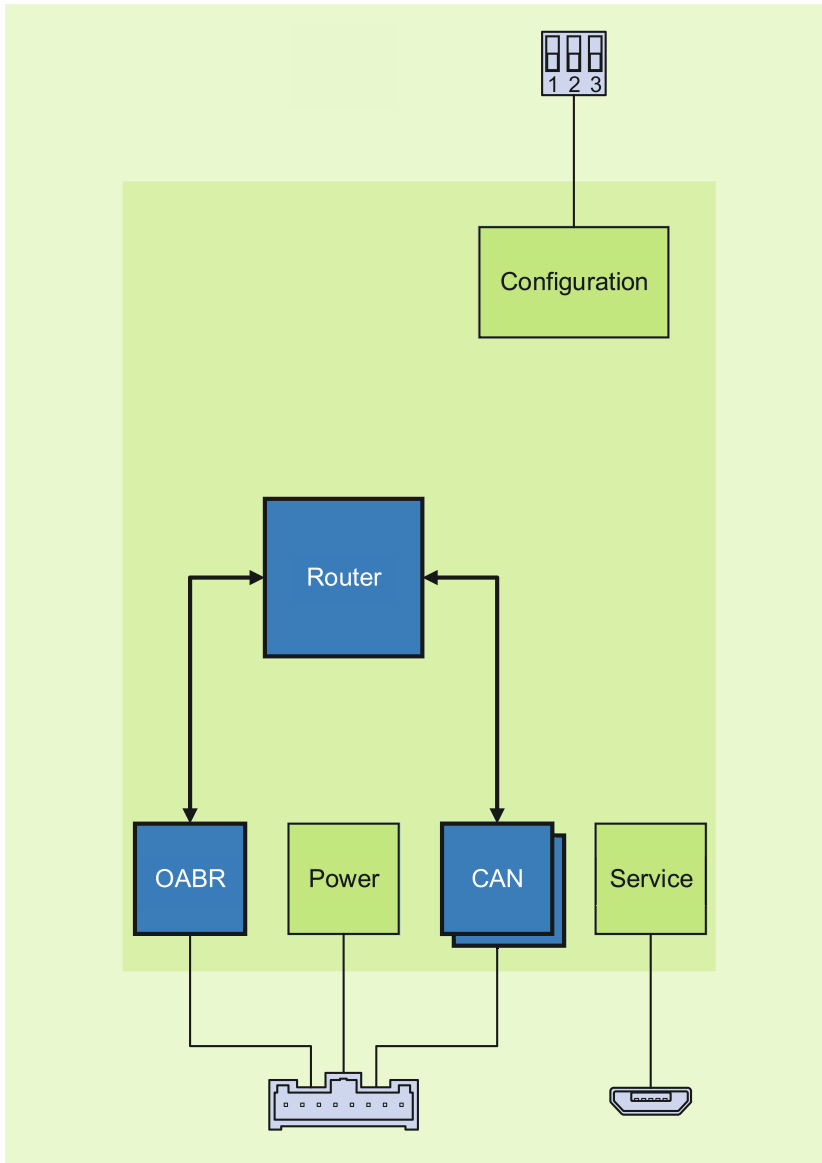
Back view

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Block diagram

Connectors

- 8-pin connector for OABR, power and CAN
- Micro USB as a service interface

DIP Switches

- Master or slave mode
- Full or half out mode
- CAN sleep mode activation

LEDs

- OABR link and activity
- CAN activity
- Power



2.10.2019

Errors and omissions excepted.