

Features



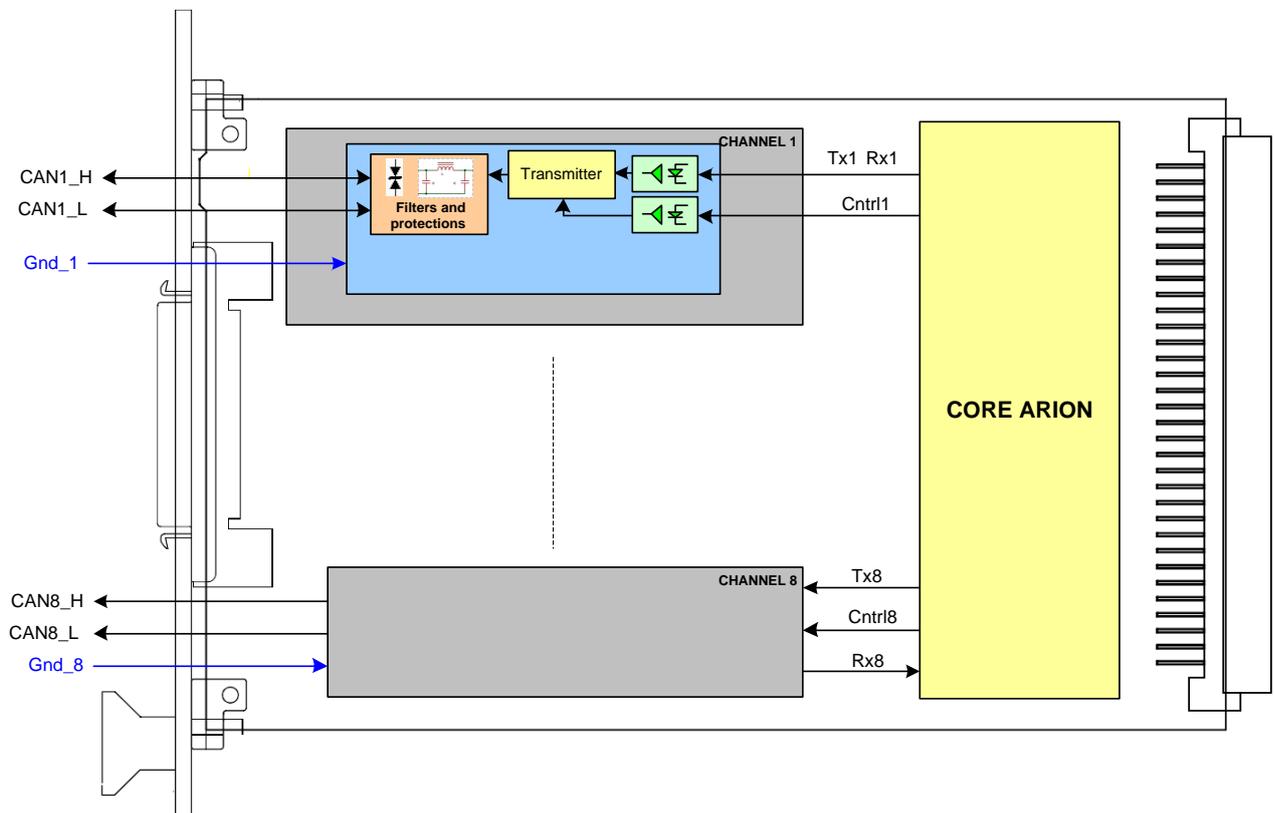
- 8 individual channels with 5 speed modes:
 - 83.33 kbits/s
 - 125 kbits/s
 - 250 kbits/s
 - 500 kbits/s
 - 1 Mbit/s
- Both standard and extended frame mod supported:
 - Standard base frame: with 11 identifier bits
 - Extended frame: with 29 identifier bits
- Configurable 120Ω terminator resistors for each channel
- Optically isolated: provides a direct connection to industrial sensors and actuators
- Common mode transient immunity of 100V/μs
- All inputs are protected from transient voltage spikes, short-circuits and overvoltage



Physical and environmental condition

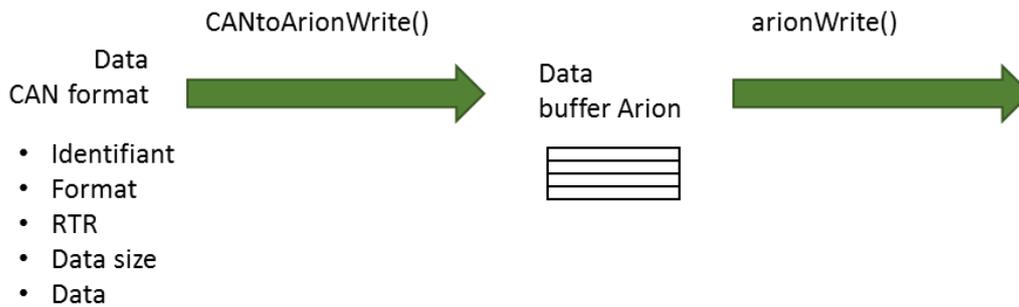
Dimensions: 3U format (length 160mm) x 3T
 Temperature: Industrial range temperature -40°C / +85°C
 Weight: 300g
 Consumption: 800mA for analogical 5V line and 2A for numerical 3.3V line

Block diagram

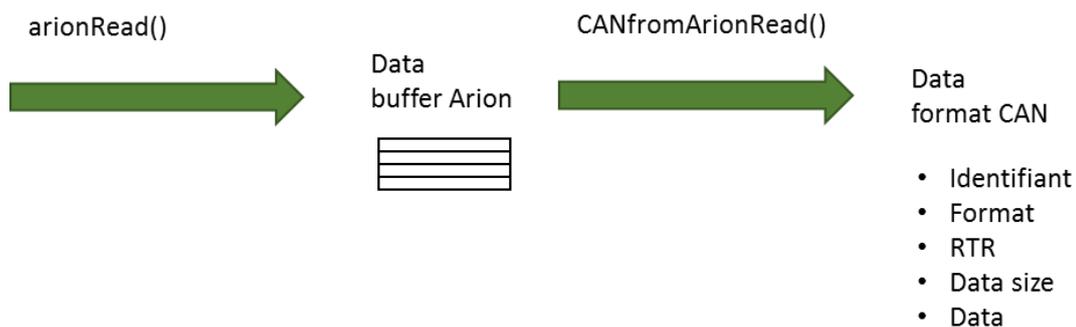


This board realizes the transmission of data according to the CAN protocol. Conversion function for the CAN frame abstraction are required to send or receive CAN. The sending or receiving of a frame needs two step as below.

Send a CAN frame:



Receive a CAN frame:


Arion operating modes

Regarding the data of Arion-IO boards, the following operating modes are available :

These modes can be used in 'Global Channel' or 'Channel List' ; See Configuration documentation for more information.

1. **Input mode:** *Two modes can be used*

- When the input buffer is full, data acquired are sent to the system.
- When a time-out appends, the input buffer is sent to the system.

2. **Output mode:**

The data are set to the outputs of the board when the user writes data.