



AiM Webinar
"CAN 101"
6.30.20
Edited Q&A

1 **Q:** Is the output frequency limited on the "receiver" electronics?

A: In this application the output frequency and the input frequency can be defined and matched correctly. However, in the event of the receiver not having the frequency match will only hinder the refresh rate of the receiving device as it will not be at its maximum potential.

2 **Q:** Does sampling frequency affect the transmission speed?

A: No. Transmission speed is the Bit Rate. In this example 1 MB/S.

3 **Q:** Does your CAN bus support 32bit floating point?

A: [Answered live at 23:50]

A1: In the rare circumstance that 32bit float is required it would be best to allow AiM to design the protocol with tools not available in ECU driver builder

4 **Q:** Any plans to support CAN Open in the future?

A: [Answered live at 1:00:00]

5 **Q:** Increasing the multiplier also affects the sample frequency at which we are receiving the signal from the sensor, right?

A: [Answered live at 30:26]

6 **Q:** I see that your value scaling is using the conventional/simplistic approach. What about support for Fix Point Notation?

A: [Answered live at 1:00:32]

7 **Q:** Are there lists of standard device IDs for specific manufacturers? For example, is there a list of the device IDs used by Porsche (or Bosch?) in their cars?

A: [Answered live 33:23]

8 **Q:** What's the consequence of mismatch? If I sample at 20 Hz but the device is sending the information at 40 Hz, is that a problem?

A: [Answered live at 40:50]

9 **Q:** So, you've attached CAN 1 and 2 to the same twisted wire pair, correct?

A: [Answered live at 57:50]

10 **Q:** Robbie, could you give us some information on CAN sniffing? We needed to it when trouble shooting an ECU on CAN1, but we were out of our element.

A: [Answered live at 1:01:55]