I-7531 FAQ

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Q1、How long the maximum length of the CAN bus which can be used with I-7531 module? (2011/07/12, Andy)

A:

The ideal total bus length and baud rate are displayed below.

Baud [bit/sec]	Ideal Bus Length without I-7531 [m]	Max I-7531 Number
800K	50	1
500K	100	2
250K	250	6
125K	500	12
50K	1000	25
20K	2500	62
10K	5000	125

When user add one I-7531 into a CAN network, the ideal total bus length will reduce 40 meters because of the propagation delay of I-7531.

For example, if user use baud rate 500K and one I-7531, the ideal bus length will be 100-40*1=60 meters. The relationship between segment length(Lseg1, Lseg2) and ideal total bus length (Ltotal) are shown in the following figure.



(2011/07/12, Andy)

Q2、Is the I-7531 certified by UL? What is the insulation resistance of I-7531? (2013/12/05, Randy)

A:

The I-7531 is not certified by UL. The insulation resistance of I-7531 is larger than 1000MΩ.

(2013/12/05, Randy)

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Q3、What is the message buffer size of I-7531 and how faster does I-7531 repeat the message from another port after receiving? (2015/12/18, Alan)

A：There is no message buffer. I-7565 repeat a CAN messages by hardware and its propagation delay time is almost 200ns.
(2015/12/18, Alan)

Q4、Could the I-7531 configure filter and filter out necessary CAN ID? (2015/12/18, Alan)

A: No, it just repeats the CAN signal to another port. Thus, it does not have filter function.
(2015/12/18, Alan)

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