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# FMC640 J1708

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### Description

SAE J1708 is a standard used for serial communications between ECUs on heavy-duty. The hardware utilized is RS-485 transceivers wired for open collector operation through the use of a pullup and pulldown of the separate data lines.

With FMC640, J1708 functionality is used to read vehicle's Fuel Level and Fuel consumption.

Because J1708 is not a CAN-BUS protocol, <u>FMC640</u> CAN1 and CAN2 lines cannot be used to read J1708 information. <u>FMC640</u> has a special J1708 Port, which utilizes an RJ9 4P4C connector.

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# Software Configuration of FMC640 with J1708

J1708 configuration is done in the <u>FMS IO</u> Tab.

FMS Fuel Settings –					
Fuel level source	Fuel consumption source			High resolution engine total fuel used	
CAN	J1708	CAN	J1708	Liters	Milliliters

When J1708 is enabled as a Fuel Level source, Fuel-related data will be taken from the J1708 line, FMS Fuel data will be ignored.

## **Connection with Vehicle port**

J1708 connector is not supported by all vehicles. Only VOLVO, RENAULT, and American truck manufacturers implement the J1708 connector.

Trucks utilize *Deutsch 6-PIN or Deutsch 9-PIN connector*, which are used to connect FMC640 to J1708.

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NOTE: Most of the Volvo trucks need an J1708 connection to be able to receive fuel level data