

PDM32 and the ECU

The pdm 32 uses CAN communications which is widely used for vehicle communications being easier to implement than RS232 and RS422. There is in place a LIN bus, but this is not in widespread use in Cars currently.

The normal method of communications on a CAN bus is for the PDM to ask for the ECU to supply data, this is where there is not another dash in use. If there is another dash in use the PDM can be silent on the can bus and just eavesdrop on the data conversation between the ecu and the dash.

Can the PDM give data like the gps coordinates to the ECU?

The PDM can give such data but the location to drop the data needs to be defined exactly.

This is normally available in an ECU data definition file or a DBC file which will tell the can address, the data format, length , multiplier and offset. Without this information it is not possible to send data from the PDM to the ECU.