

Protocol Mini Module (PMM)

- ✓ Design DG Technology's experience with vehicle networks into your own project!
- ✓ Dearborn Group provides: Design assistance, support or Turn-Key solution.
- ✓ You provide: space in your system and your engineering expertise.

- ✓ Useful for development, vehicle network data acquisition, system diagnostics, end-of-line testing, and hardware-in-the-loop simulation.
- ✓ Supports numerous vehicle network standards and protocols including J1939, J1708/J1587, CAN (ISO 11898), GM Class 2, and many more. RP1210 compliant.
- ✓ Supports Cummins, Detroit Diesel, MeritorWABCO, Caterpillar, Mack, Allison, Eaton, Navistar and many more.



INTRODUCTION

The Protocol Mini-Module (PMM) is designed and manufactured by the Dearborn Group as a general purpose board-level module for vehicle networking applications. DG has provided this solution for many individual customers who are looking for a specific set of vehicle protocols to be supported on a small form factor computer board. Often this solution becomes an integral part of the customer's overall hardware solution, keeping costs low by not only leveraging our previous work, but licensing our IP if required.

WHO WE ARE

Dearborn Group is the recognized leader and pioneer in providing vehicle network solutions to the heavy duty, automotive and industrial markets. Industry vehicle protocols and standards for the heavy duty, automotive, construction or any other vehicle can now be incorporated directly into your product. Dearborn Group extends our product line to include our PMM board level solutions for inclusion into your hardware. DG supplies all the technical information required to successfully and easily interface our design with yours, while providing any customized package of protocol support. This can be our intellectual property based on our decades of experience in vehicle networks and technology, your IP, or on-going maintenance support, making your project a quick turn-key solution for your customers.

DEVELOPMENT

The Protocol Mini-Module hardware is delivered programmed on a small form factor board level solution, using the appropriate package of vehicle network protocol and support. DG supplies the hardware solution, software, schematics, and assistance for the protocols that are to be supported. DG can also completely design your project to your specifications, and has done this for many customers.

SOFTWARE OPTIONS

Custom applications can be developed using a PMM to read and write to a vehicle network system using programs such as C, Visual Basic, Visual C and LabView. The PMM is generally designed to accept and provide commands from almost every type of proprietary hardware.

WIRELESS OPTIONS & PMM FLEXIBILITY

DG has expertise with Wi-Fi, Zigbee Bluetooth and other wireless technologies, and can assist in implementing these into your project. Nearly any protocol, wired or wireless, can be implemented with PMM, as our PMM is quite flexible and adaptable to your needs.