

P-LANet

Configurable electronic control units for automotive systems development and integration.



P-LANet is a highly cost effective, configurable prototyping ECU capable of vastly reducing specification-to-product cycle times. Having a group of configurable building blocks including CAN, LIN, MOST and FlexRay communication modules, P-LANet delivers a scalable integration solution for network, digital and analogue signal requirements.

P-LANet also allows for rapid delivery of tight timescale integration projects by providing bespoke 'gateway' functionality for integration type projects, most typically where new systems are being introduced (and demonstrated) onto existing architecture vehicles. This application is extremely common for executive appraisals of new system demonstrations and for show cars.

In addition P-LANet allows for rapid development of design intent functionality throughout the early stages of system development allowing for stabilised definition of system features and functions prior to specification release to the system/component supplier.

Vehicle system integrity is maintained throughout due to robust hardware (including connector systems) and efficient software library routines.

For further information please contact us or visit www.p-tec.co.uk.

Integrating
Technologies, Systems, Strategies.



SDC150

Meeting O8MY OBDII legislation, ensuring EMC integrity of the vehicle networks whilst delivering ISO CAN gateway and firewall functionality.



The first application of the P-TEC Secure Gateway concept, SDC150 is a J1962 diagnostic connector with integrated node, gateway and firewall functionality. SDC150 provides the OEM with the following key benefits:

- EMC integrity - with increased access to multiplexed networks available at the J1962 diagnostic connector, SDC150 ensures the EMC integrity of these through providing a properly terminated connection for each bus, replacing the previously un-terminated network spurs. This becomes ever more important at O8MY through the ISOCAN diagnostics requirement resulting in Powertrain CAN access being required at the J1962 connector.
- Network Security - with access to the Powertrain CAN required at the J1962 connector for ISOCAN diagnostics, SDC150 provides secure gateway and firewall functionality to allow only pre-defined ISOCAN requests onto the Powertrain CAN bus with appropriate data only being passed back to the tester.
- SDC150 is simply integrated into the vehicle wiring harness replacing the un-intelligent J1962 connector currently used, thus eliminating any additional components for the OEM on the BOM and provides a cost, package, weight and logistically efficient product.

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PDL350

Personal CAN data logger developed
by engineers for engineers.



The first offering of a range of personal data loggers, PDL350 is a compact, efficient and direct means of CAN data acquisition for use throughout OEM product development activities. USB connectivity to a PC based configuration tool allows for 'desk-based' setup of the device prior to vehicle test. This includes the ability to predefine the type of data logged, storage methods, electronic pin configuration (for alignment to OEM specific J1962 arrangements) and to change event trigger points.

Using the plug-and-play principle, the superbly styled and rugged PDL350 connects directly to any on-board J1962 connector allowing data logging to commence. Subsequent download of test data from PDL350 for PC-based analysis is via USB connection to PC or removable SD memory card.

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