

Movimento Pantera™

Pantera is a cost effective development tool with a wide range of functionality. Combined with the Movimento Puma hardware it's a powerful solution for engineers working with development and testing of vehicle networks.

Introduction

The software tool Pantera solves several important tasks within the area of vehicle networks. Pantera offers a unique combination of physical signal measurement, control and diagnostic simulation.

With support for of the shelf hardware from industry leading suppliers, Pantera is especially powerful when used with a Puma due to the Puma's ability to run E-script standalone.

Test Automation

Pantera is able to execute advanced and automated test batches on CAN, LIN and MOST™ network nodes. By interacting with Microsoft Word and Excel documents, test requirements and report generation is easy. With an automated test process it is possible to save time and resources while providing consistently carried out tests with accurate test reports.

Network Verification

Pantera is able to perform verification and validation of protocol usage on the network bus. This preventive testing action secures that network communications will not cause any ECU failure due to the use of non-approved bus messages.

Rest-bus Simulation

It is possible to simulate a missing node, or even a complete network of non-existing nodes, allowing testing in an ideal network environment. After testing the ECU in a perfect network environment Pantera is able to simulate network faults to test the unit's behavior during controlled incorrect network communication and fault-injection.

Analysis

With support for measurement and logging of network communications Pantera is a capable tool for analysis of real-time traffic or recorded logs. Pantera also supports playback of existing log files to reproduce experienced network errors.



Features

Main Features

- A cost effective solution with wide functionality
- Test Automation on CAN, LIN & MOST™ nodes

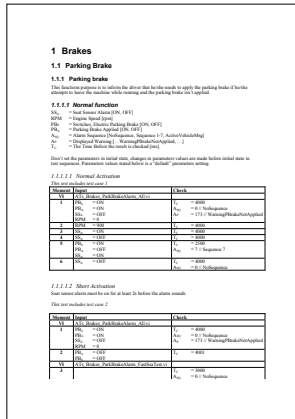
Applications

- Test Automation
- Rest-bus Simulation
- Network Verification
- Measurement
- Analysis
- Logging
- Replay
- Instrumentation

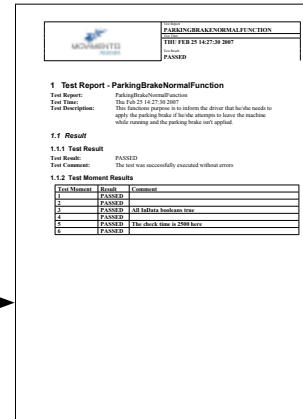
What makes Pantera

Unique?

- Combination of network and physical signal measurements, control and diagnostic simulation
- Possible to share hardware to multiple workstations with server solution
- Supports off the shelf hardware
 - Movimento Puma
 - Kvaser
 - Vector
 - National Instruments
- Diagnostic awareness, e.g. D2, OBD II, GGD and GMLAN



Automated Testing Performed



Test Specification in Microsoft® Office Word

Test Report in Microsoft® Office Word

Analysis view in Pantera with CAN trace and Signal Graph

