Movimento Puma MOST

The Movimento Puma MOST is an industry leading tool for network analysis, node simulation, flight recording and software download to devices utilising the MOST interface. Whereas the base Puma unit offers diagnostics and logging capabilities for networks such as CAN, LIN and K-line, Puma MOST is able to access all three data channels, Synchronous, Asynchronous and Control channels on MOST and provide analysis and simulation tools.

Puma MOST Software Loader Device (SLD)

The tool is based on the MOST solution from Analog Devices (Blackfin BF539) and utilises protocols such as ISO14229 over the physical layer MOST.

Features include software download over the control channel and high speed software download over the asynchronous channel.

Puma MOST Node Tool

The tool provides the user the capabilities of the Puma MOST SLD plus a cost effective node emulation tool.

Features include software download and high speed software download, master and slave node emulation and the ability to send and recieve messages on the control channel.

Puma MOST Flight Recorder

The tool provides the user the ability to record all control channel messaging, network events, synchronous and asynchronous channel events. Information is stored on an SD card for later review and analysis.

Features include monitoring of all data channels, viewer software with filtering capabilities and user specifiable triggering based on received message on MOST or external trigger.

Puma MOST Spy

The tool provides the user the capability to be active on the bus as a MOST master or slave node, or invisible in spy only mode with the ability to see all control channel traffic.

Features including master, slave and spy modes of operation and also including spy mode master and spy mode slave.

Puma MOST Node Simulator

This tool provides the ideal platform for the simulation of MOST nodes. Featuring the capabilities of the Puma MOST spy but adding extra features for ring order analysis plus the ability to send and receive messages on the control channel.

Puma MOST System Analyser

The tool provides the user the ability to perform the tasks of network analysis, node simulation and software download all within in one package. The Puma MOST System Analyser has a powerful suite of analysis features for use with all transport mechanisms on MOST along with ring order analysis and stress testing tools. This combined with a flexible node simulation platform with the capability to send and receive data on synchronous, asynchronous and control channels and the ability to monitor gateway functionality between CAN/LIN and MOST and vice versa makes for an invaluable MOST tool suite.

Features include viewer software with capability for complex filter functions, the ability to send and receive data on all three MOST data channels, Gateway Manager, Ring Order Analyser, MOST Exerciser.

Specifications

Network Interfaces
- Optical MOST (Media Oriented Systems Transport)
- Electrical MOST (under development)
- CAN

Electrical
- 2 Analog Devices Blackfin
- Operating voltage: 5 to 36VDC

I/O
- MOST connector
- 40-pin connector
- SD card supported (>1GB)

Protocols supported
- ISO14229
  (diagnostics services)

Environment
- Operating temperature: -40 to +85 °C
  (with WLAN capabilities: 0 to +55 °C)
- Storage temperature: -40 to +125 °C
  (with WLAN capabilities: -20 to +70 °C)

Physical
- Size: 4.7'' (120 mm) x 3.1'' (79 mm) x 2.2'' (55 mm)
- Weight: 0.66lbs (0.3 kg)

PUMA MOST Matrix	Puma MOST GEN 1 (available today)		Puma MOST GEN II (available Q1 2007)			
Description	PUMA MOST SLD	PUMA MOST NODE Tool	PUMA MOST Flight Recorder	PUMA MOST Spy	PUMA MOST Node Simulator	Puma MOST System Analyser
MOST	Standard	Standard	Standard	Standard	Standard	Standard
CAN	(2) CAN LS, MS and HS	(2) CAN LS, MS and HS	(3) CAN LS, MS and HS	(3) CAN LS, MS and HS	(3) CAN LS, MS and HS	(3) CAN LS, MS and HS
LIN	N/A	N/A	(2) LIN	(2) LIN	(2) LIN	(2) LIN
SWDL	Standard	Standard	Option	Option	Option	Option
High Speed SWDL	Standard	Standard	Option	Option	Option	Option
Diagnostics	Option	Standard	Option	Standard	Option	Standard
Master Mode	Option	Standard	Option	Standard	Standard	Standard
Slave Device	Option	Standard	Option	Standard	Standard	Standard
Spy Mode	N/A	N/A	Standard	Standard	Standard	Standard
Spy Mode Master	N/A	N/A	Option	Standard	Standard	Standard
Spy Mode Slave	N/A	N/A	Option	Standard	Standard	Standard
Viewer	N/A	Standard	Limited	Standard	Standard	Standard
MOST Sender	N/A	Standard	Option	Option	Standard	Standard
Sync Channel Manager	N/A	Option	Option	Option	Option	Standard
Async Channel Manager	N/A	Option	Option	Option	Option	Standard
MOST Exerciser (Stress Tool)	N/A	Option	Option	Standard	Option	Standard
Ring Order Analyser	N/A	Option	Option	Option	Standard	Standard
Most Editor	N/A	N/A	Option	Option	Standard	Standard
Light Management	N/A	Option	Option	Standard	Option	Option
Flight Recorder	N/A	N/A	Standard	Option	Option	Option
Gateway Manager	N/A	N/A	Option	Option	Standard	Standard