



迈纬汽车电子

畅通车辆网络



Movimento Puma™ 1

Movimento Puma 1 is a standard pass-through interface for to be used together with 3rd party applications running on a PC in R&D and workshop environments.



Multibus Network Tool

Puma supports one (1) CAN channel, J1708 and K-line, including important protocols such as ISO 14230 and ISO 15765. The Puma supports J2534, RPI210 and the Movimento proprietary API/SDK PumaLib, allowing third party software to utilize the Puma as a pass-through device.

Pass-through interface

The Puma is capable of solving a wide range of tasks in the field of R&D, engineering, production and after market. Its main areas of use are to perform network diagnostics, logging and software download. These applications can be performed using third party applications through the available APIs.

WLAN Capability

Puma can be equipped with WLAN to further enhance the possibility to use it. WLAN brings great flexibility to an engineer's work. It's possible to perform diagnostic services, or any other task, from one location to a fleet of vehicles in the proximity.



Applications

Network Diagnostics

The Puma is a pass-through device that handles major diagnostic service protocols on major vehicle network types and supports 3rd party PC applications through industry standard APIs.

Logging

The Puma can log network communications together with 3rd party PC applications.

Software Download

The Puma is able to perform software download together with 3rd party PC applications.

Specifications

Part Number

- I20-0088-001, Puma I

Network interfaces

- I ISO 11898-2 CAN
- I ISO 9141 (Diagnostic systems, K-Line or L-Line)
- I J1708

Network Protocols

- J1939 (Serial comm.)
- ISO 14230 (Keyword Protocol 2000)
- ISO 15765 (Diagnostics on CAN)

I/O

- I Digital Output (500mA sink)
- I Digital Input, Key on

Driver Support

- Windows Vista
- Windows XP, SP2 for WPA/WPA-PSK support
- Windows 2000, SP4 for WLAN support
- Windows Mobile

System Features

- 500 MHz Blackfin Microcontroller
- Time stamp resolution 1 μ s
- Time stamp accuracy 25 μ s
- I Internal Temperature Sensor
- USB Host
- USB Device
- WLAN – 802.11 b/g (optional)

Physical

- Size: 120 mm x 77 mm x 36 mm (4.7" x 3" x 1.4")
- Weight: 0.18 kg (0.4lbs)
- 40 Pin 55959-4030 MOLEX Connector
- USB Host Connector (Type A)
- USB Device Connector (Type B)

API

- PumaLib – Movimento proprietary API and SDK
- RPI210A/B, mostly used in heavy duty vehicles
- J2534 (Flash Programming), Surface Vehicles

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)
- Operating Voltage: 5 to 36VDC
- RoHS compliant
- CE certified