

Power XS®



The **powerful** hardware for **high level** vehicle **communication** and **stand alone application**

- Designed for rough workshop use:
 - robust aluminum housing
 - rubber protectors
- Personalization by software identifier and changeable label
- Carrying strap
- Multi protocol support
- Similar tool used by one of the biggest automotive manufacturer!

Characteristics & Technical Data

Highlights



The Power XS is the high performance VCI for the next generation of vehicle diagnosis. It is the right tool for work shop use because it is rugged, handy, battery powered and booting fast. The internal battery management system ensures automatic charging when connected to the car battery. The watchdog and wake up mechanism provides low energy consumption in sleep- mode.

A PC or other client application realized in the individual environment of the customer could be run on the Power- Engine, the Linux operated processor system of the Power XS.

Together with the illuminated graphic display and the programmable buttons the Power XS becomes a stand- alone tool for diagnostic operations, calibration and programming of vehicles. The VCI- Engine, an additional 16 bit micro controller, is used for the vehicle communication and protocol handling.

High brightness status LED's can be observed easily while working on the vehicle.

Future protocol enhancements are already foreseen by means of the MVCI expansion slot.

Technical Data

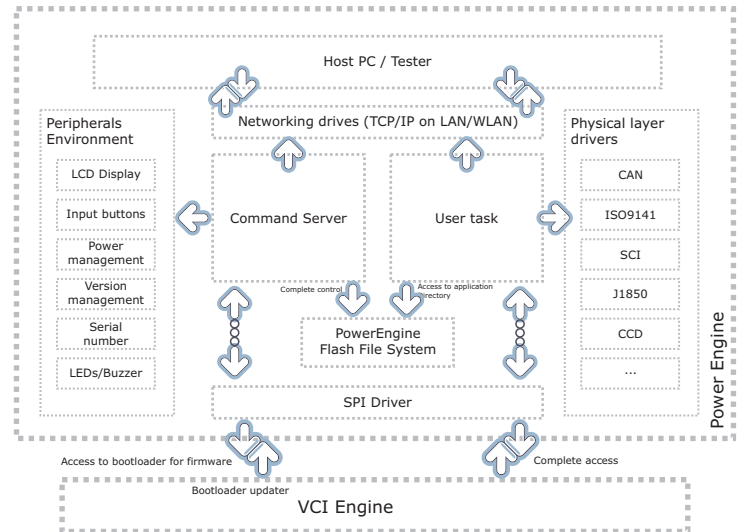
Hardware

- Dimensions: 220 x 150 x 50 mm
- Temperature range : 0 ... +70 °C
- Power supply : 8...32 V
- Connection to PC : WLAN IEEE802.11g supported
10/100 Ethernet
- Processor : 32 Bit main CPU@400MHz for server and user applications
- Memory : 1MB RAM and 1 MB Flash
- RAM : 32 ... 256 MB DDR RAM
32 ... 128 MB NAND FLASH
- K- Line : 300 Bd ... up to 320 kBd
- CAN : 10 kBit/s ... 1 MBit/s
- Slots : SDcard slot for up to 2GB
PCcard interface for WLAN cards
- Weight : approx. 1.300 g (including batteries)
- Operating system: Linux for PowerPC kernel
- Certifications: IP54
FCC & UL
WEEE
RoHS conform

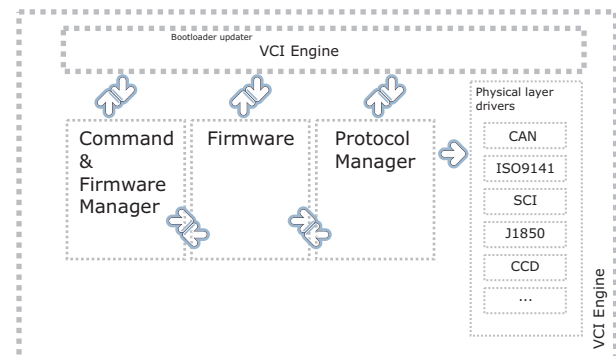
Software

The Power XS is divided into Power Engine & VCI Engine for maximum performance and optimized programming.

Linux operating system for PowerPC kernel



C++ programming for XC161 firmware and protocol



Diagnostics

- Supported protocols:
 - K- Line ISO 9141
 - KWP 2000 ISO 14230- 4
 - SAE J1850 PWM
 - SAE J1850 VPWM
 - CAN 2.0B ISO 11898
 - CAN ISO 15765- 4
 - SCI SAE J2610
 - SAE J1708
 - SAE J1939
 - RP1210A
 - J2534- 1, J2534- 2
- Multiple simultaneous links, e.g. J1939 and J1708
- 4 softkeys controlled by application

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