GeniPi

Customizable platform for your applications

Based on the Raspberry Pi CM4, this embedded system is a customizable hardware device with many possibilities. Through a huge open-source codebase, customizable hardware interfaces and the possibility to program in any common language, it can be used as a platform for your own applications.

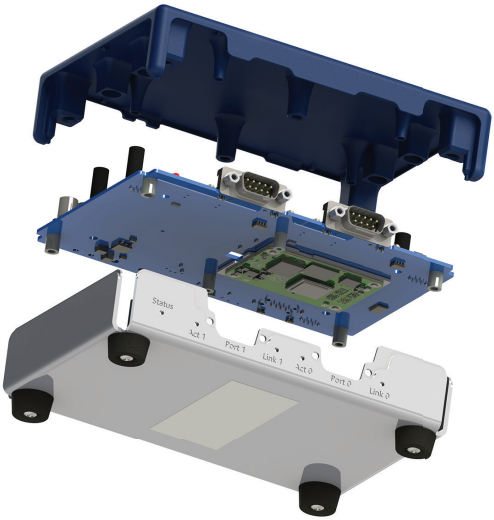
One example for using the GeniPi is the FlashboxX ECO.
It makes high volume flashing of ECUs more efficient and independent of specialists.

Client benefits

- Easy to handle and transport
- Platform for customer applications using standard programming languages
- Large community through open source software
- Automotive interfaces
- Good price-performance ratio

Applications

- ECU flashing
- Automated testing
- Automotive communication
- Gateway functionality
- Automation
- Human-machine interface
- Portable system



Technical Data (version FlashboxX ECO)

General
159 x 108 x 42 (mm)
354g
4 RGB Status LEDs
4 Push Buttons
Input voltage 9-24V DC

Connectors
Ethernet (1000Base-TX)
HDMI
USB-Port
2x SUB-D ports each: switchable power, current measurement, CAN / CAN-FD, BroadR-Reach (100BASE-T1)

Processor
Broadcom BCM2711 quad-core
Cortex-A72 (ARM v8)
64-bit SoC
1.5GHz
4GB RAM
32GB eMMC Flash
Battery buffered real time clock

Operating System
Linux (Raspberry Pi OS)
Kernel 5.10 (long term support)