FlashboxX ECO

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TECHNICAL SPECIFICATION

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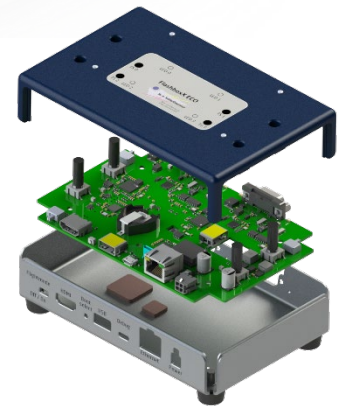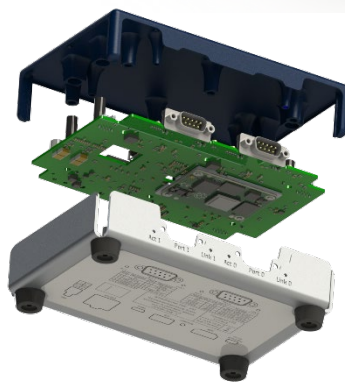- Input voltage 9-24V DC

Processor:

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

Connectors:

- Ethernet (1000Base-TX)
- HDMI (advanced visualization)
- USB-Port
- 2x SUB-D ports each:
  - Switchable power
  - Current measurement
  - CAN / CAN-FD
  - BroadR (100BASE-T1)

Operating System:

- Linux (Raspberry Pi OS)
- Kernel 5.10 (long term support)

The FlashboxX ECO is a hardware device which is able to flash ECUs easily via CAN, CAN-FD, 100BASE-T1 or 1000BASE-TX. Other bus systems can be realized via the available USB port.

The platform-like box has a pre-installed linux tool environment which can be used to flash ECUs e.g. according to the VW Standard. It can also be used for tasks during commissioning such as comparing data sets or as a gateway or datalogger. A log is created for all jobs and can be used later for verification.

In order to meet customer-specific requirements the software can be adapted. You can either do this yourself with the help of our documentation and install your own environment on the FlashboxX, or you can instruct us to do this so you can start using the FlashboxX right away.

During flashing via the two ports for CAN, CAN-FD, 100BASE-T1 or 1000BASE-TX (individually or simultaneously), the box shows the flashing status via its LEDs. This makes it possible to flash ECUs by anyone or even unattended – thus no specialist is needed.

The FlashboxX is efficient as it saves both money and time, especially by flashing two ECUs at the same time with only one device. It also saves manpower and, in the case of flashing abroad, associated travel costs.