

FlashboxX ECO



The FlashboxX ECO is a hardware device designed to flash Automotive ECUs via several BUS systems. It features a Linux-based software environment, pre-installed for tasks such as flashing ECUs according to the VW Standard, data set comparison, and functioning as a gateway or datalogger. The software is fully customizable to meet customer-specific requirements, it can be adapted either by the user or by the manufacturer.

The device supports dual-channel flashing, enabling the simultaneous flashing of two ECUs. With integrated status LEDs, users receive clear visual feedback about the flashing process, including automatic verification of the success of the operation.

The FlashboxX ECO supports a variety of bus systems, including CAN, CAN-FD and 100BASE-T1 (Automotive Ethernet), with the option to integrate other bus systems via its USB port. This makes it highly versatile and adaptable for different applications and environments.

For enhanced flexibility, the device features an HDMI port for extended visualizations and several USB ports for connecting peripheral devices, allowing for easy integration into custom setups.

TECHNICAL SPECIFICATION

Body:

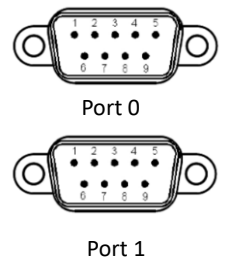
- 159 x 108 x 42 [mm]
- 354g
- 4 RGB Status LEDs
- 4 Push Buttons
- Input voltage 9-24V DC

Processor:

- Raspberry Pi 4, 4 GB RAM, 32GB eMMC Flash
- Battery buffered real time clock

Connectors (Flashing):

Pin	Description
1	NC
2	CAN low
3	PWR out GND
4	100BASE-T1 P
5	100BASE-T1 N
6	Shield
7	CAN high
8	NC
9	PWR out VCC



Connectors (Periphery):

- Ethernet (1000Base-TX)
- HDMI (advanced visualization)
- USB-Port

Operating System:

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