

Motor Controller with Optical Interface

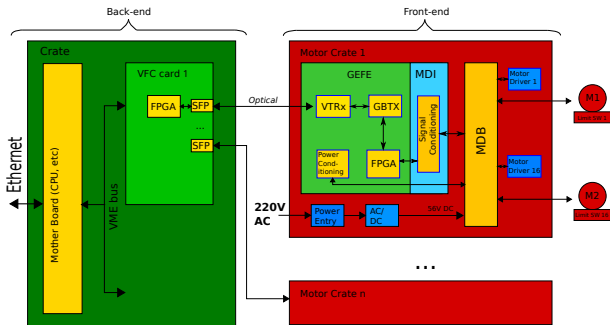
Next generation platform development

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MCIO platform Overview

- Use case - concentrator for controlling stepper motors (up to 64)
- GEFE card as front-end (brain) - hard available components
- GBTx chip - fragile, easily breaks, complicated replacement



New platform Solution

- Replacing GEFE with low-cost FPGA module
- Industrial device with long-term production guarantee
- Simplification of platform, might be used as standalone system
- Porting gateway to Xilinx Zynq Ultrascale 64bit
- Modify MCIO PCB board layout

