Required functionality:

Power Supply:

Input voltage: 12–24V?

Communication:

- USB
- ETH
- CAN
- SPI
- RS-232 ???
- RS-485 ???

Outputs:

- Stepper
- H-Bridge
- Display
  - TFT
  - LED
  - HDMI
- DO   -Minimum amount??
- AO   -Is it needed?
  - Current, Voltage or both. Might even be controllable from firmware

Inputs:

- DI   -Minimum amount??
- AI   -Minimum amount??
  - Current, Voltage or both. Might even be controllable from firmware

Memory:

- SD Card
- Flash RAM

Addon Capabilities:

- Via Headers?
- SPI?
- I2C?