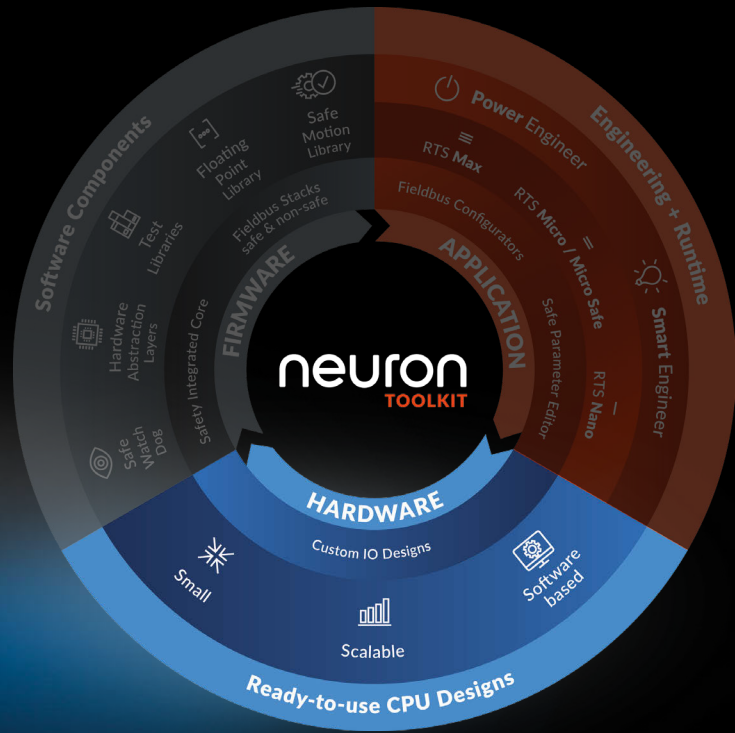


Small safety controller



Small safety controller

Summary

Small refers to our cost-effective safety hardware platform developed for integration into safety-related hardware such as safe sensors or actuators. Digital inputs and outputs, analog inputs and encoder interfaces can be added. Fieldbus connectivity can be supplemented by an additional processor.

Main benefits at one glance



Small basic design



Shorter time-to-market due to precertification



Various interfaces



Precertified to reach up to SIL3/PLe



Functional safety

Simple and easy to integrate basic design for using as entry level safety hardware

Customized to install in existing standard designs

Expandable with direct connected I/O, Encoder-interface and fieldbus interfaces (via additional fieldbus processor)

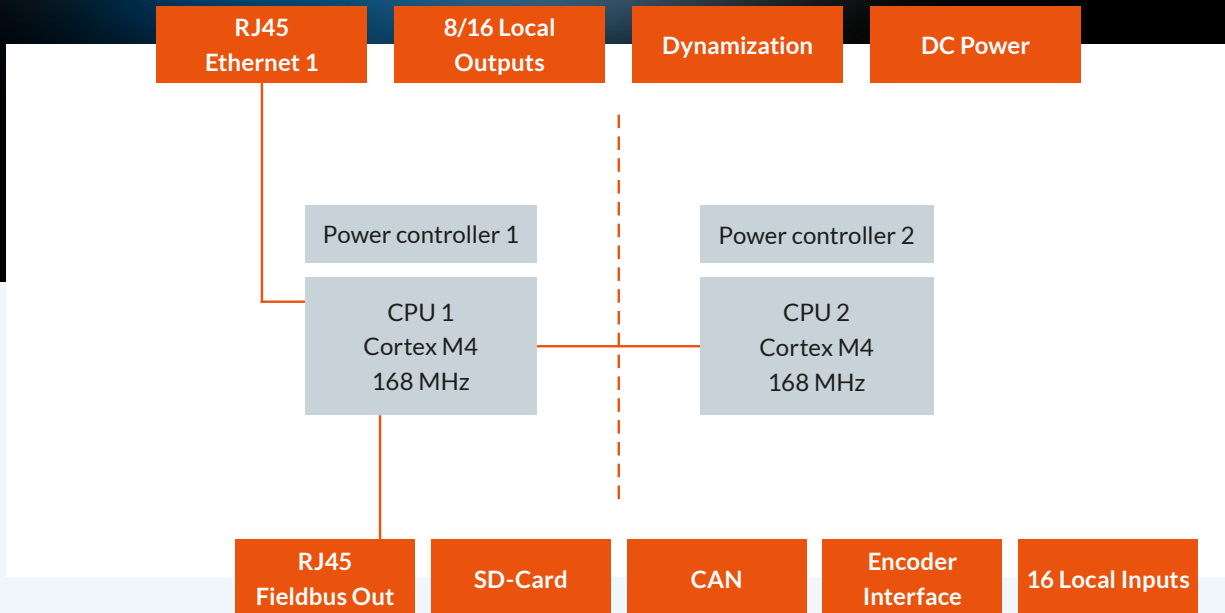
Compact modular design

Customers choice between main storage options (onboard or external via SD-interface)

Shorter time-to-market due to precertification to achieve high safety levels up to up to PLe according to ISO 13849 or SIL3 according to IEC 61508-1 standard

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Functional overview



Specifications

CPU: 2 × Cortex M4

RAM: internal

Digital IO: 24 digital TTL input/output with related test inputs/outputs in various configurations like 24 inputs only, 24 outputs only or any combination e.g. 16 inputs and 8 outputs

Analog IO: 2 analog inputs

Sensor connections: 2 SSI/BISS-C interfaces for various sensors such as encoders

Ethernet-Interface: Yes

USB interface for programming/parameterization: Yes

CAN-Interface: Optional

Internal overvoltage protection for the supply voltage: Yes