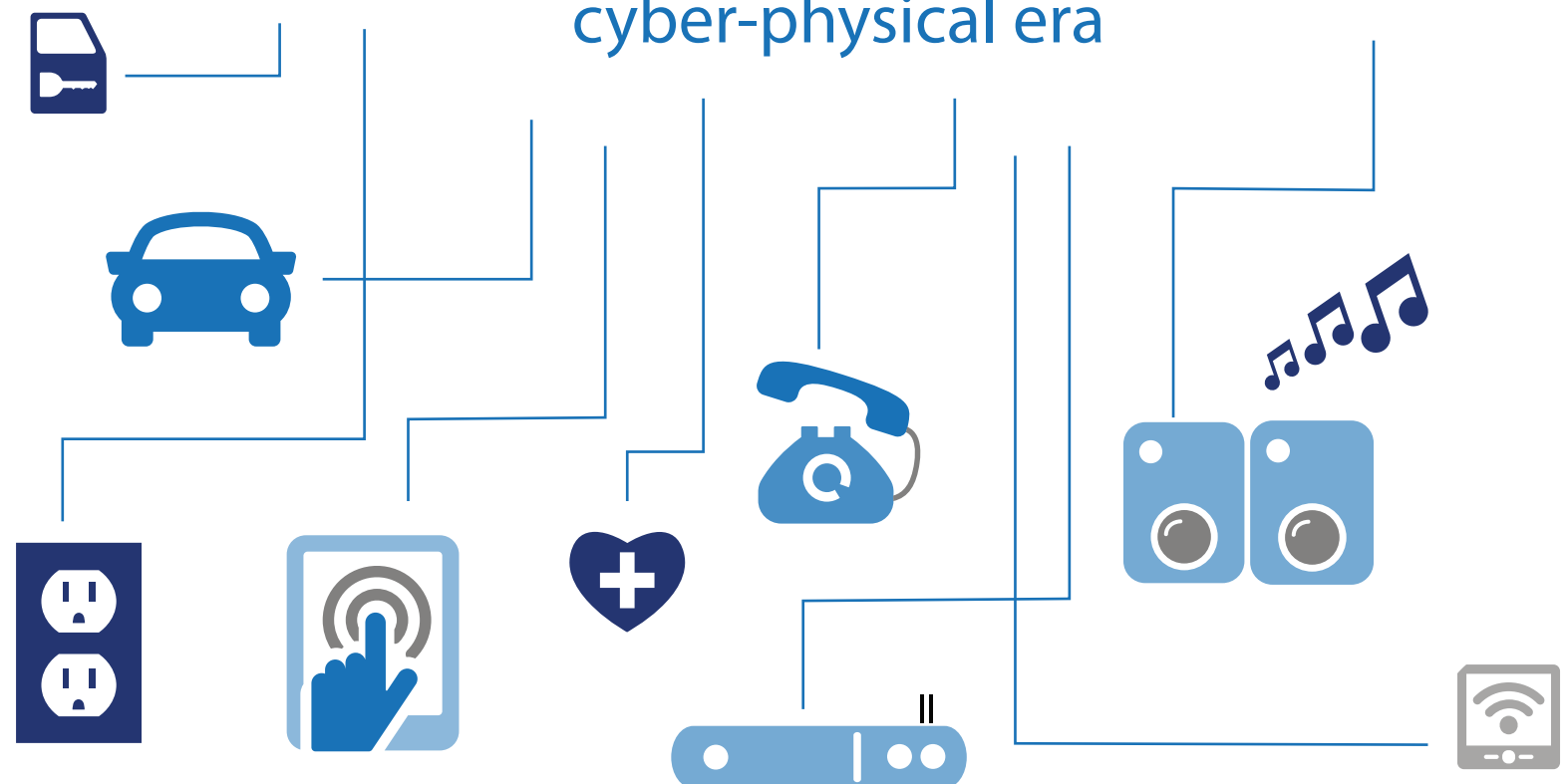




AXIOM

Agile, eXtensible, fast I/O Module for the cyber-physical era



FLEXIBLE

ENERGY EFFICIENT AND SCALABLE BOARD

Flexibility: FPGA, fast-and-cheap interconnects based on existing connectors like SATA
Energy efficiency: low-power ARM, FPGA
Multi-node Scalability: board-to-board fast interconnects

EASY

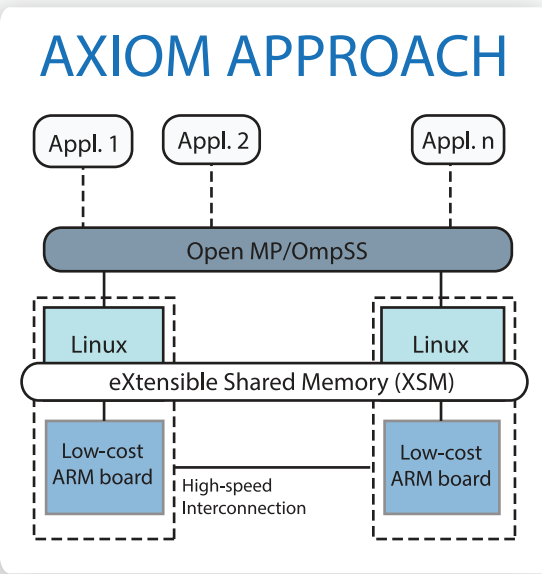
PROGRAMMABLE

Programming model: Improved OmpSs
Runtime & OS: improved thread management
Compiler: BSC Mercurium, OS: Linux, Drivers: provided as open-source by partners

EASY

INTERFACING WITH THE CYBER-PHYSICAL WORLDS

Platform: integrating also Arduino support for a plenty of pluggable board (so-called "shields")
Platform: building on the UDOO experience from SECO



TECHNOLOGY INNOVATIONS

- Shared
- Distributed
- Modular & scalable
- Multi-platform
- High performance
- Low-cost/Low-power consumption
- Easy programmable & sustainable
- Usability & adaptability constraints
- Open Source



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