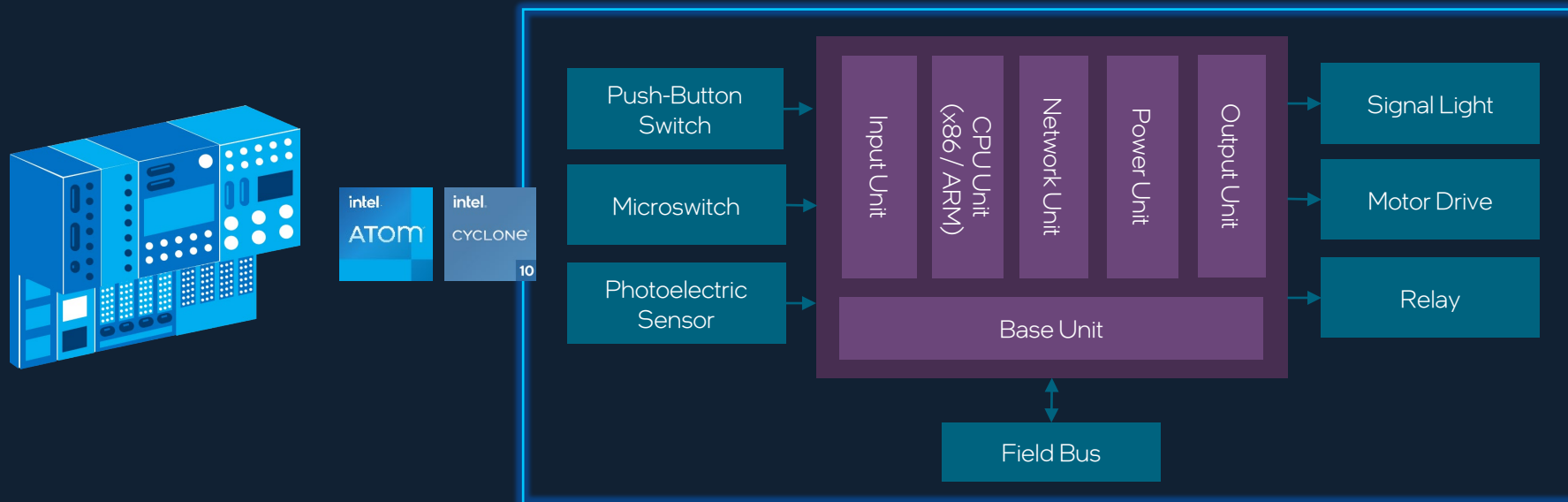


Programmable Logic Controllers (PLC)



Technology Trend

- PLCs are used extensively in almost all industrial processes
- Workload consolidation with soft PLC
- Cloud connectivity as IoT device
- Integrating cybersecurity and energy management functionalities is expected
- Integrated safety has emerged as a key differentiator

Why Intel® FPGA?

- I/O expansion and industrial Ethernet and fieldbus protocols
- Deterministic, low-latency, low-jitter truly parallel compute
- Safety Certified SKUs & Functional Safety Data Pack available
- Hardware-based security
- Workload consolidation: Soft PLC + closed-loop control + graphical interface + multiple industrial Ethernet and fieldbus protocol + Safeties ... all running in parallel without cross-interference

Intel® FPGA Value and Ecosystem

- EXOR is a solution partner for configurable soft PLC, and SoM
- [TSN](#), Industrial Ethernet, and [ExpEther](#) solutions for networking
- [FSDP \(Functional Safety Data Pack\)](#): IEC61508 certified devices, Tools, and IP from Intel