



Remote I/O Platform

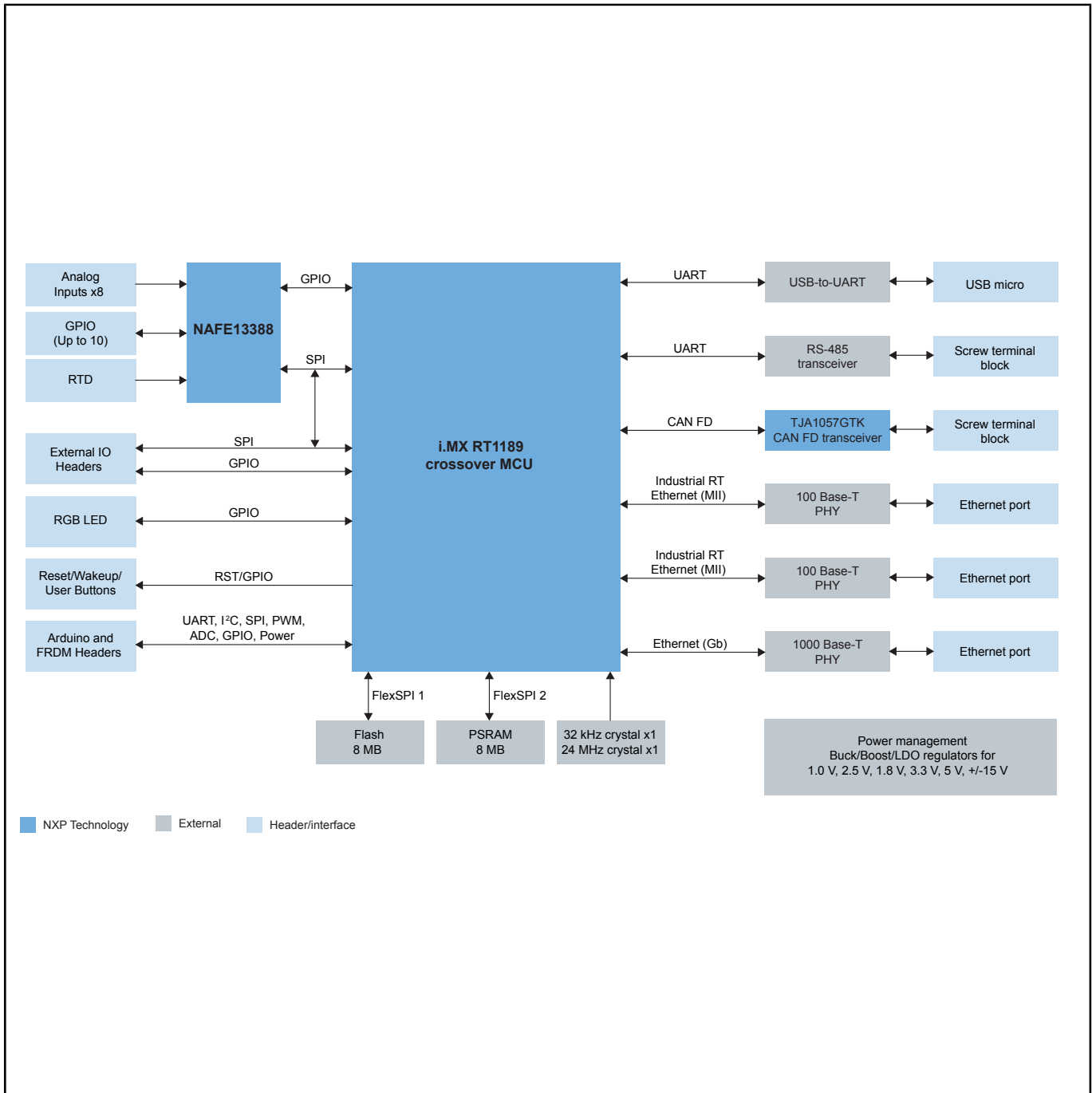
REMOTE-IO-PLATFORM

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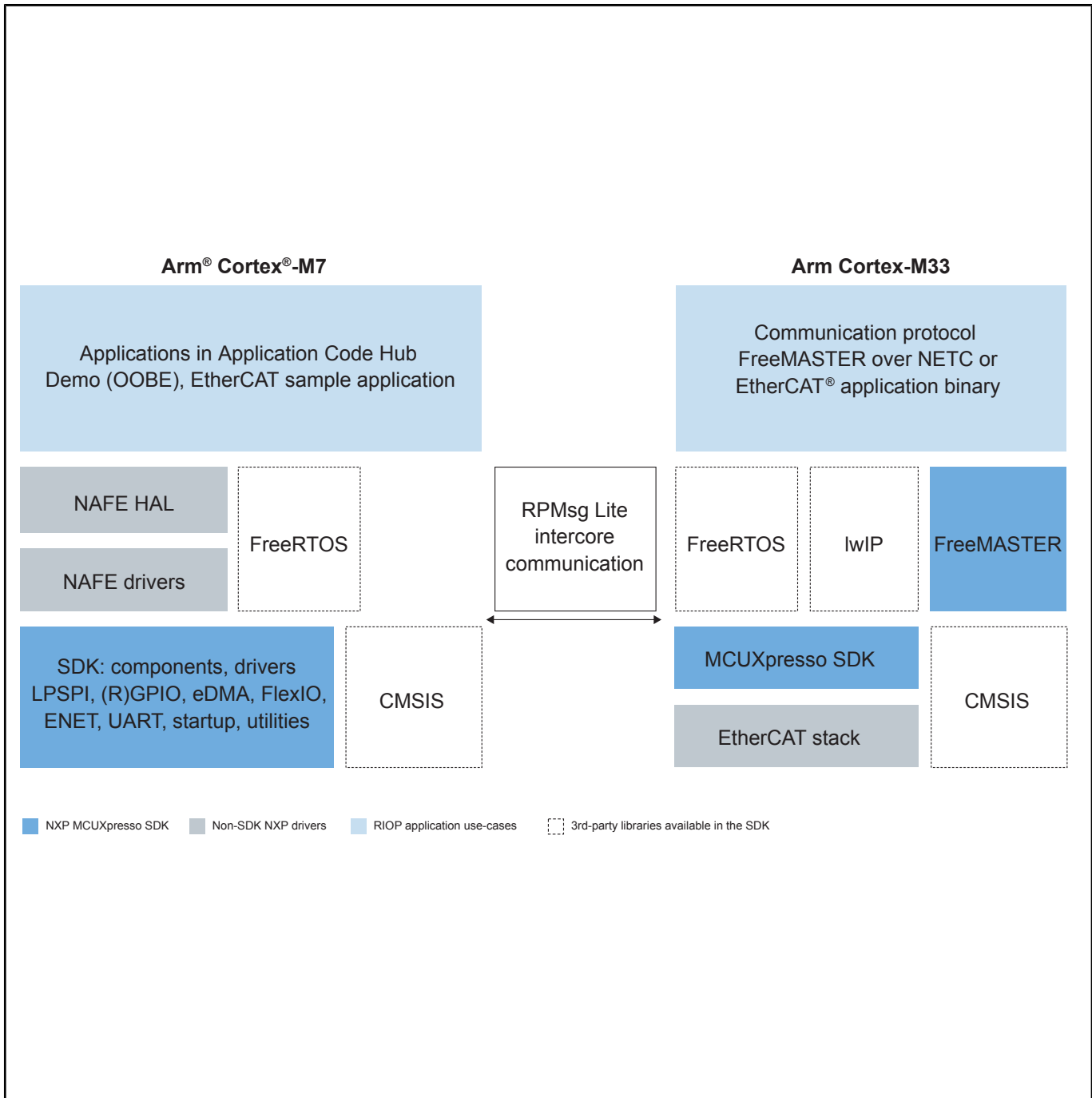
NXP's Remote I/O Platform (RIOP) accelerates industrial automation by delivering flexible, high-precision data acquisition and secure, multi-protocol connectivity for factory and process control systems. Designed to simplify integration into Industry 4.0 environments, RIOP supports predictive maintenance and helps optimize reliability and operational efficiency.

As a reference platform, it enables Ethernet-connected remote I/O for both analog and digital signals, while supporting leading industrial protocols such as EtherCAT and CAN alongside robust sensor front-ends. This solution is ideal for quick prototyping, lab setups, factory automation and applications requiring functional safety and instrumentation.

Remote I/O Platform Hardware Block Diagram



Remote I/O Platform Software Block Diagram



View additional information for [Remote I/O Platform](#).

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