EtherNet/IP™ Industrial Ethernet Protocol Software

ETHERNETIP-INDUSTRIAL-COMMUNICATIONS-SOFTWARE

UPDATED

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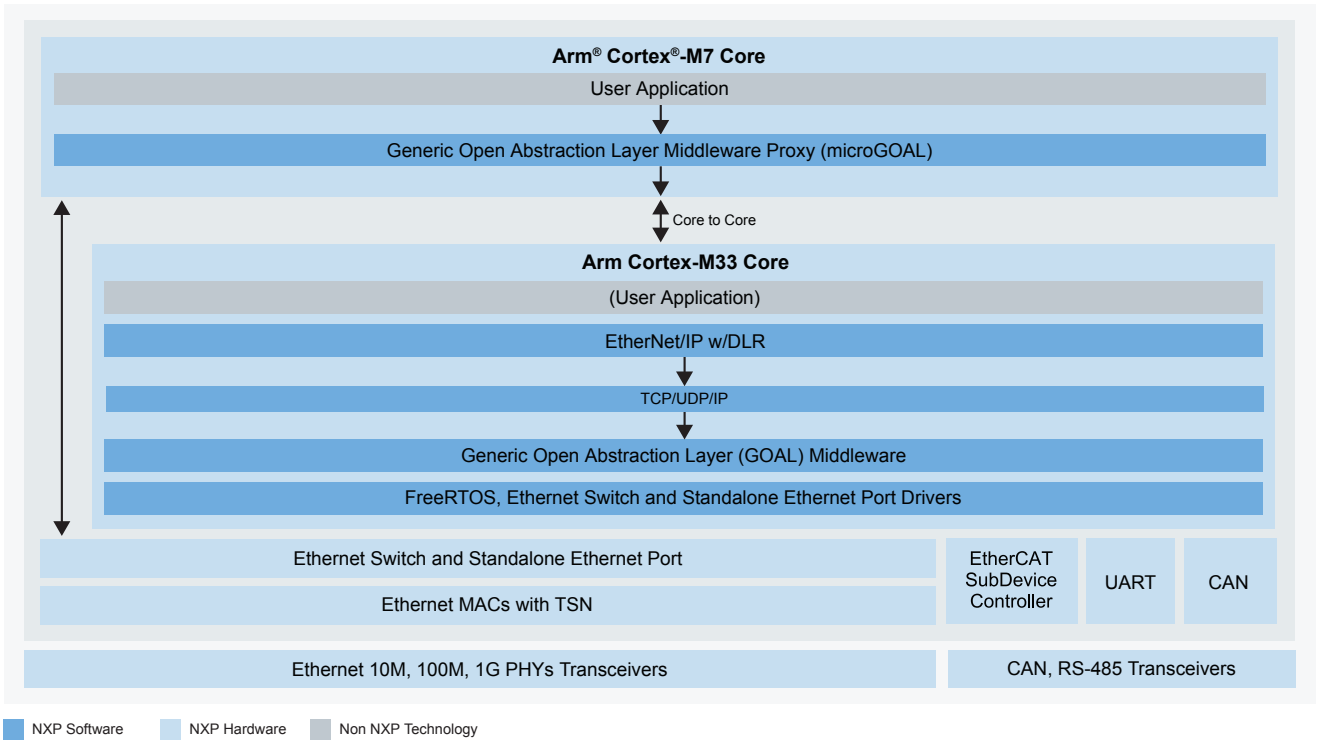
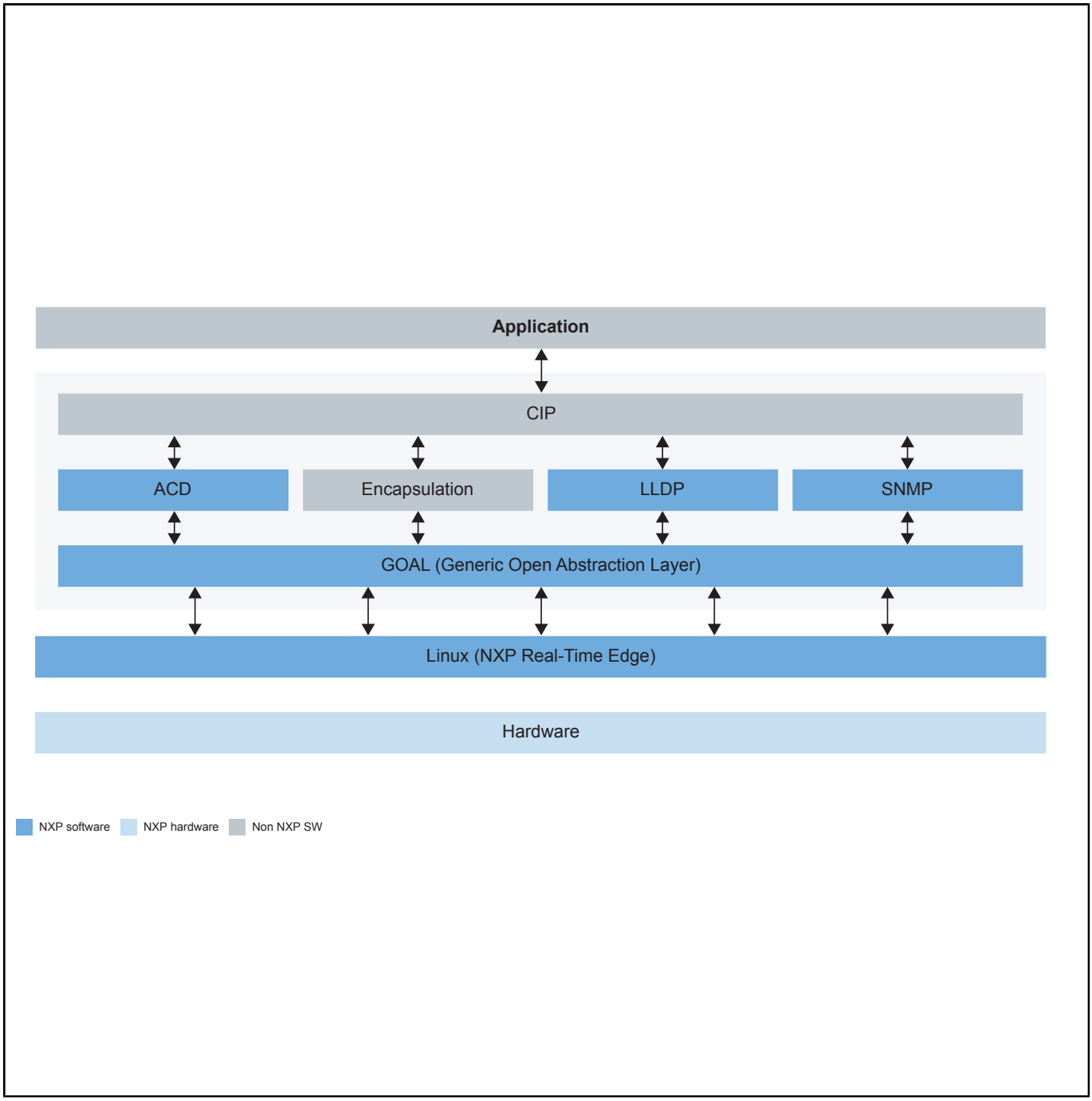
NXP industrial networking software for EtherNet/IP™ enables deterministic real-time Ethernet communication for industrial automation and robotics, including PLCs, drives, gateways, remote I/O devices and industrial edge systems. Optimized for supported NXP devices, the solution provides EtherNet/IP Adapter communication using the Common Industrial Protocol (CIP™), helping developers build interoperable industrial automation systems with flexible deployment options.

Developers can accelerate deployment using Connect & Go-enabled i.MX RT1180 and i.MX 94 devices with integrated EtherNet/IP software licensing or deploy EtherNet/IP endpoint software on supported NXP Linux devices through annual software licenses available from NXP Pro Support. The NXP Port Industrial Networking Suite supports deterministic communication, interoperability and long-term software maintenance aligned with evolving industrial cybersecurity requirements, including the Cyber Resilience Act (CRA).

EtherNet/IP Industrial Ethernet Protocol Block Diagram



EtherNet/IP Endpoint (Single Port) for Linux Block Diagram



View additional information for EtherNet/IP™ Industrial Ethernet Protocol Software.

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