



# EtherCAT Industrial Ethernet Protocol Software

## ETHERCAT-INDUSTRIAL-COMMUNICATIONS-SOFTWARE

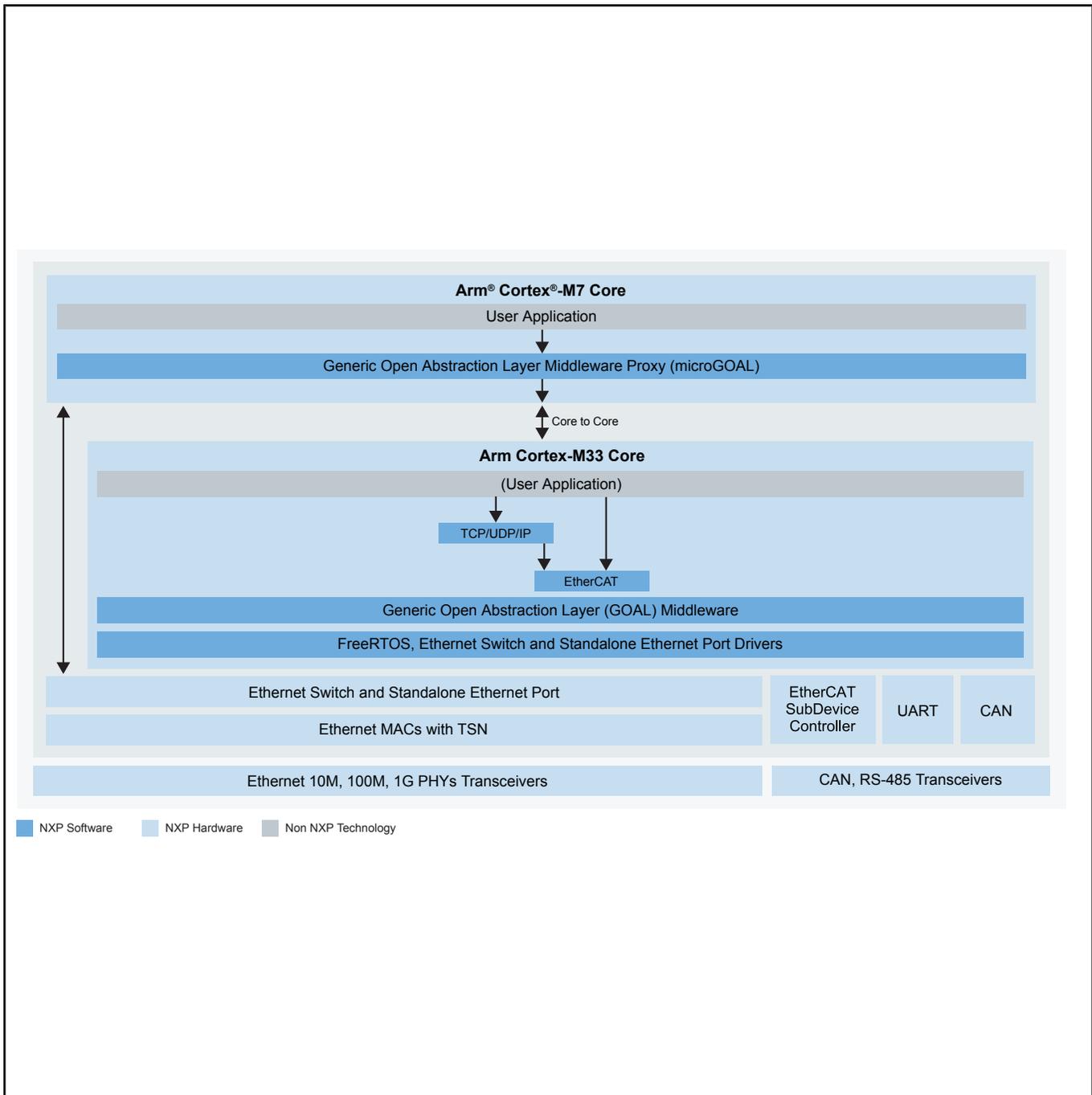
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EtherCAT® (Ethernet for Control Automation Technology) is a high-performance Ethernet-based fieldbus system developed by Beckhoff, based on IEC61158. As part of a suite of robust, certifiable industrial Ethernet protocols on a common software architecture, NXP offers EtherCAT Sub-Device protocol software for selected NXP processors, enabling scalable automation, robotics and PLC integration.

The software is delivered in two forms: binary images suitable for basic functional evaluation of the implementation on NXP hardware; compiled object libraries and associated source code, [EtherCAT Stack Library](#) suitable for building into your own application on NXP hardware.

To assist development of your own applications, the Industrial Communications Creator (ICC) Tool provides a user-friendly mechanism for configuration and object dictionary management.

# EtherCAT Industrial Communications Software Block Diagram



View additional information for [EtherCAT Industrial Ethernet Protocol Software](#).

**Note:** The information on this document is subject to change without notice.

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