



PROFINET Industrial Ethernet Protocol Software

PROFINET-INDUSTRIAL-COMMUNICATIONS-SOFTWARE

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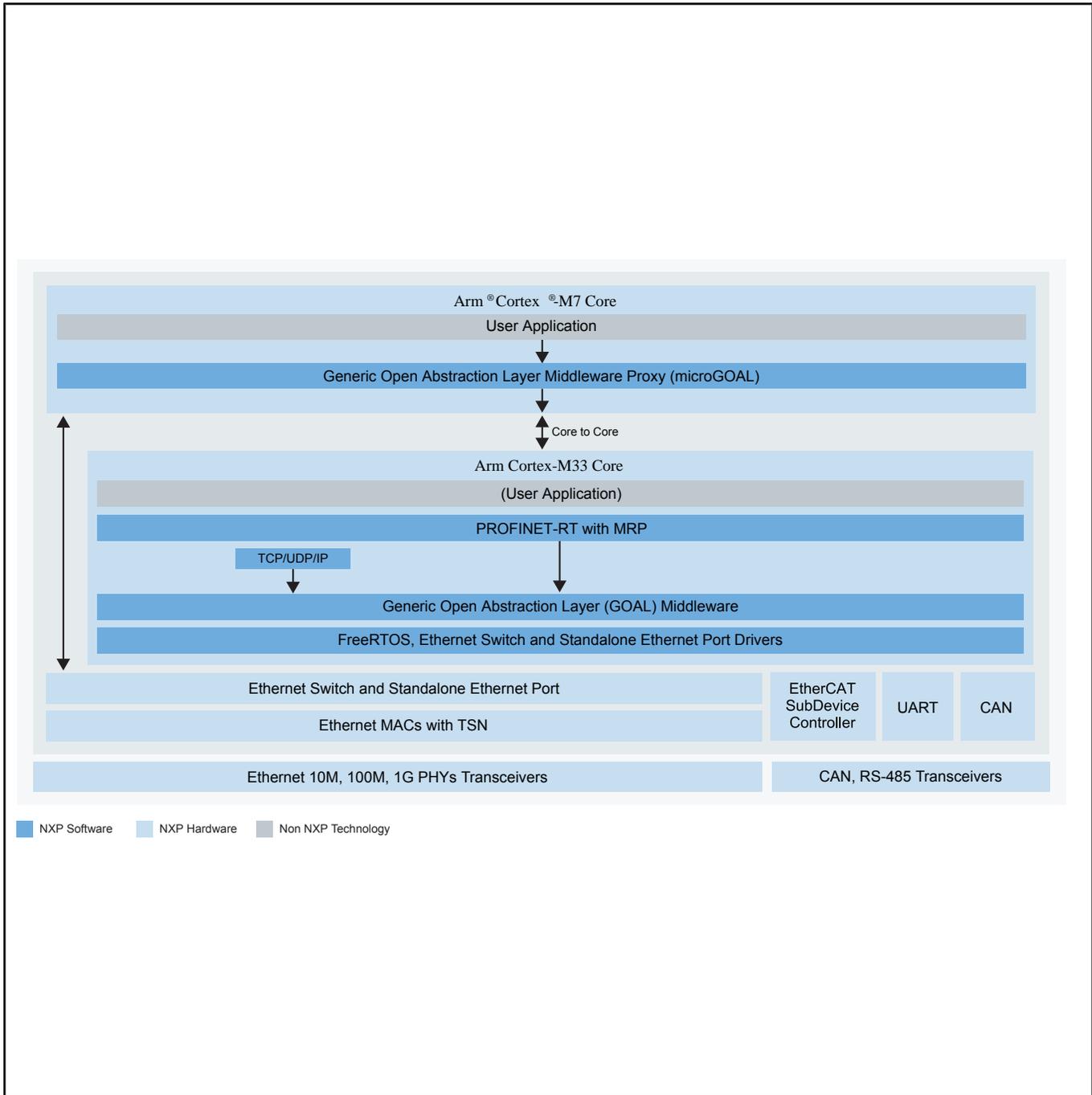
PROFINET® is an advanced industrial Ethernet protocol designed for real-time automation and networking. Developed by PROFIBUS and PROFINET International (PI) as the successor to PROFIBUS, it supports real-time communication, integrates fieldbus systems and leverages IT standards like transmission control protocol (TCP)/internet protocol (IP).

Standardized under IEC 61158 and IEC 61784, PROFINET enables reliable factory automation, robotics, motor drives, programmable logic controller (PLC) and remote I/Os. NXP offers certifiable PROFINET protocol software for industrial processors with features, such as media redundancy, diagnostics and evaluation binaries.

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, [PROFINET 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.

PROFINET Industrial Communications Software Block Diagram



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

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