



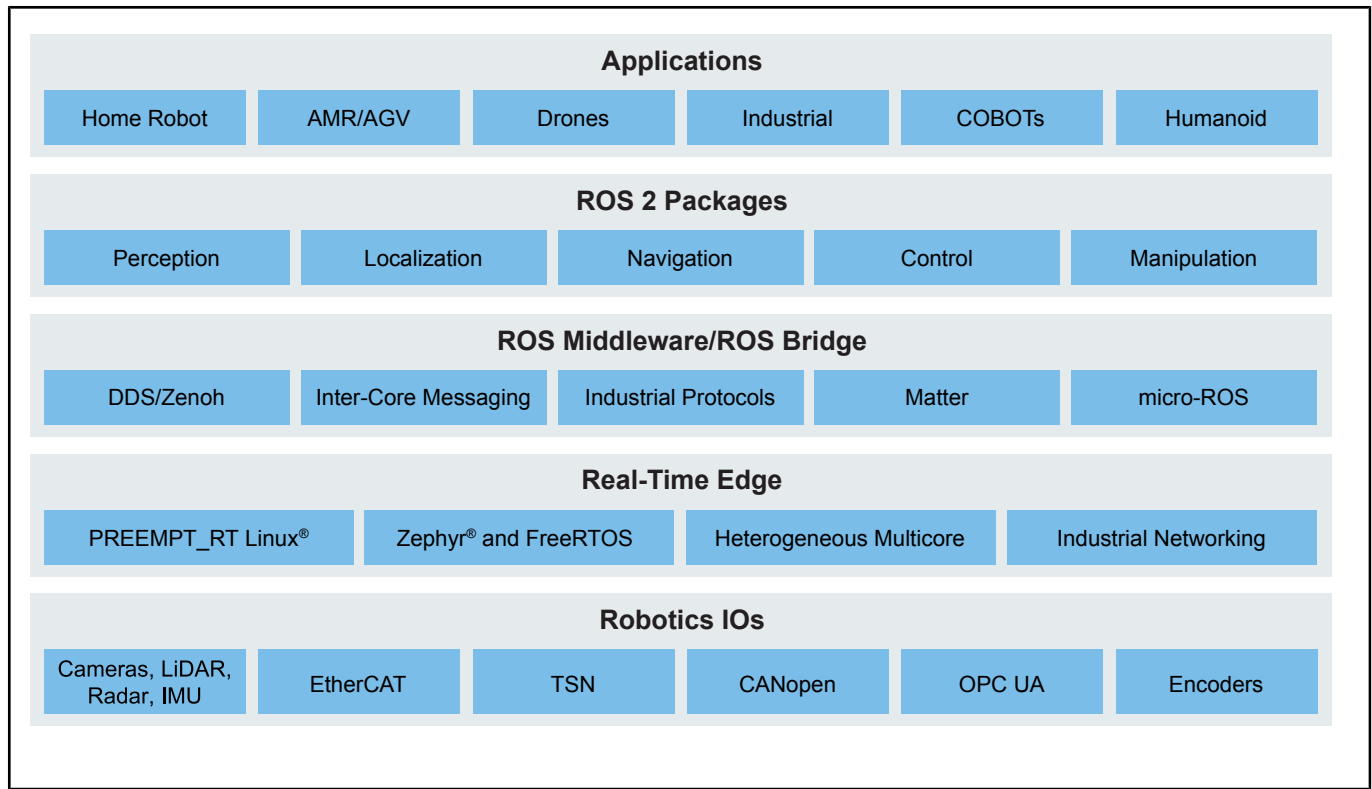
Robotics Edge Platform

ROBOTICS-EDGE-PLATFORM NEW

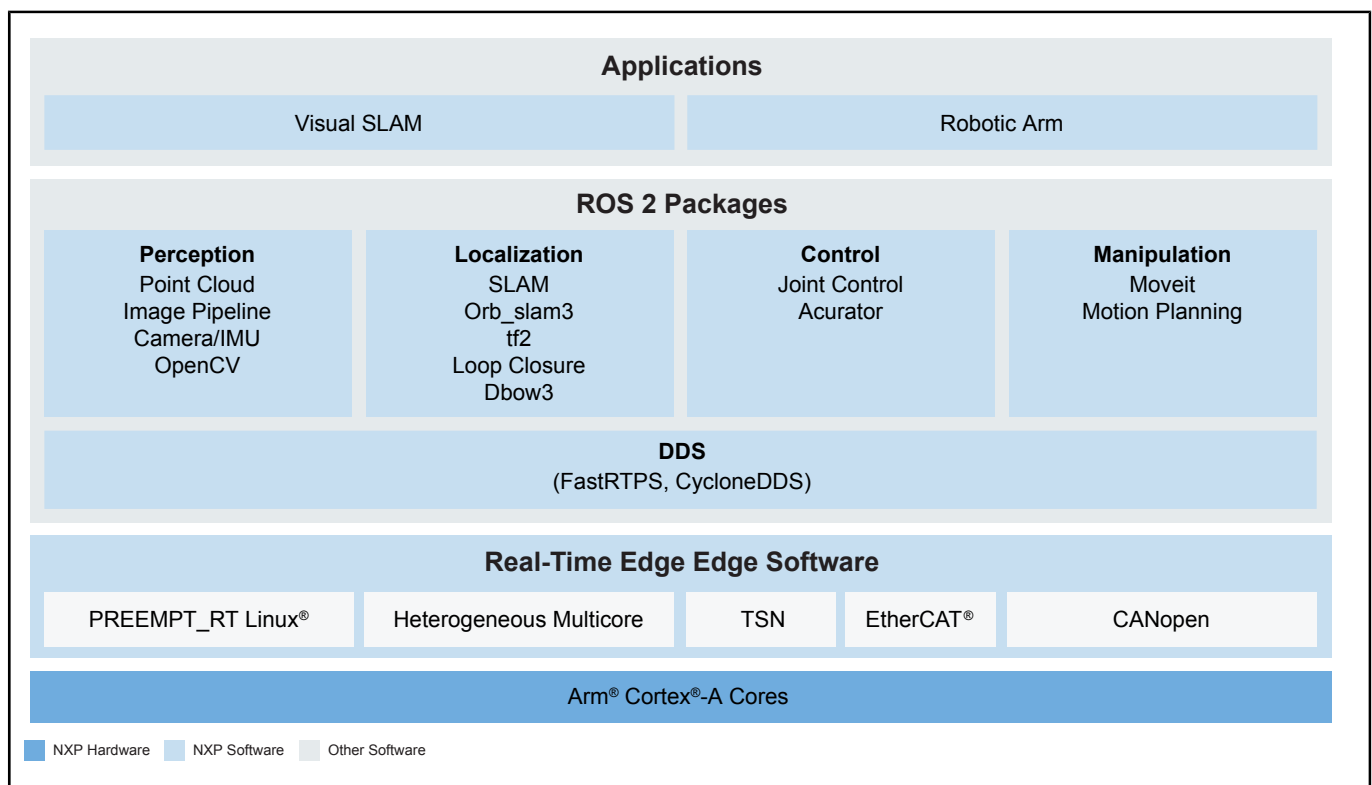
Last Updated: Mar 10, 2026

Robotics Edge Platform is an all-in-one software platform that accelerates robotics development at the edge. It combines a Yocto-based robot operating system (ROS) 2 distribution for i.MX processors with industrial protocols, real-time capabilities and Matter connectivity. Upcoming releases will include additional hardware-accelerated features, ROS 2-compatible nodes, Artificial Intelligence and Machine Learning (AI/ML) packages and ready-to-use demos to speed up and simplify modern robotics development.

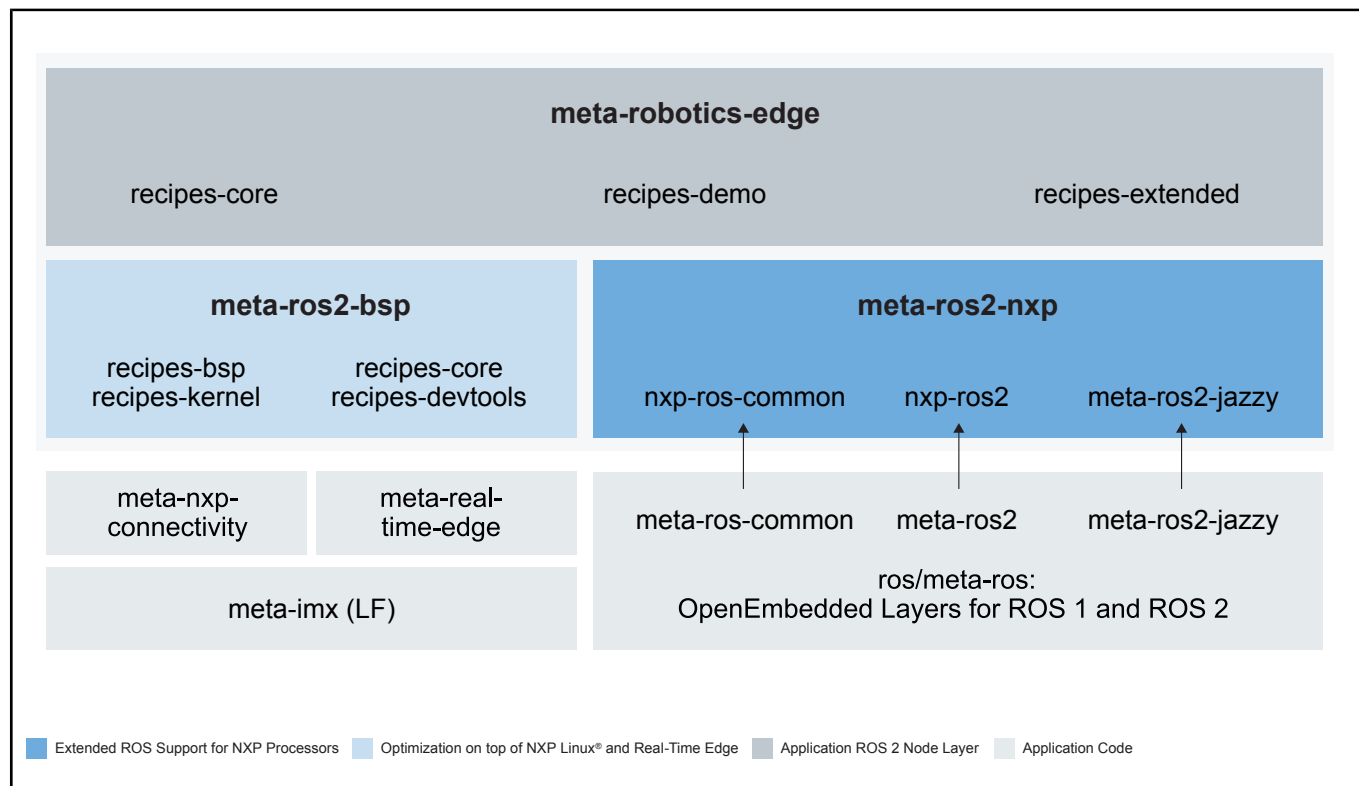
Robotics Edge Platform Block Diagram



Robotics Edge Platform Software Block Diagram



Yocto Layers Block Diagram



View additional information for [Robotics Edge Platform](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2026 NXP B.V.