



Hardware Solutions

OVERVIEW

The NXP Hardware Solutions team is an in-house, turnkey global provider, supporting our customers through the entire product creation cycle, from initial hardware design (using NXP® silicon) through product validation and the entire manufacturing stage.

Our robust product development methodologies, expertise in NXP components and first-time-right approach result in high-quality designs and competitive costs. We are committed to helping you innovate successfully in the automotive, industrial and IoT, mobile, and communication infrastructure markets.

FEATURES

- ▶ Hardware design: schematic, CAD layout and library, power/thermal simulations/calculations, DVT
- ▶ Power and signal integrity simulation
- ▶ Mechanical design and thermal analysis: DFMEA, enclosure design, simulations and 3D printing
- ▶ Prototype assembly: manufacturing, bring-up, validation and testing
- ▶ Compliance and supply chain
- ▶ Partnership with the NXP Professional Services team



OUR PROJECTS

MPC-LS Vehicle Network Processing—Automotive

The MPC-LS-VNP-RDB is a reference design engineered for vehicle network processing (VNP) applications and used by carmakers, suppliers and software ecosystem partners.



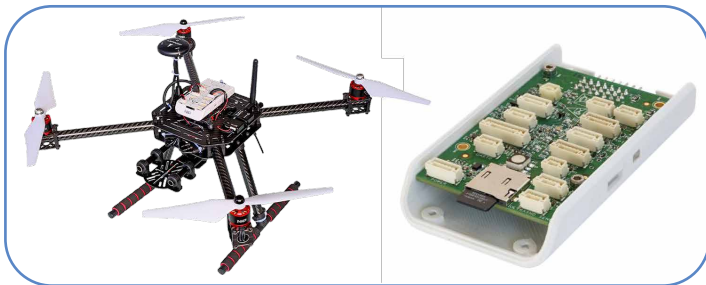
Rapid IoT Prototyping Kit—IoT

The NXP Rapid IoT prototyping kit is a comprehensive, secure and power-optimized solution designed to help accelerate the prototype and development of an IoT end node.



RDDRONE-FMUK66—Automotive

The RDDRONE-FMUK66 is a flight management unit (FMU) reference design used to build industrial robotic drones, rovers and other small autonomous vehicles.



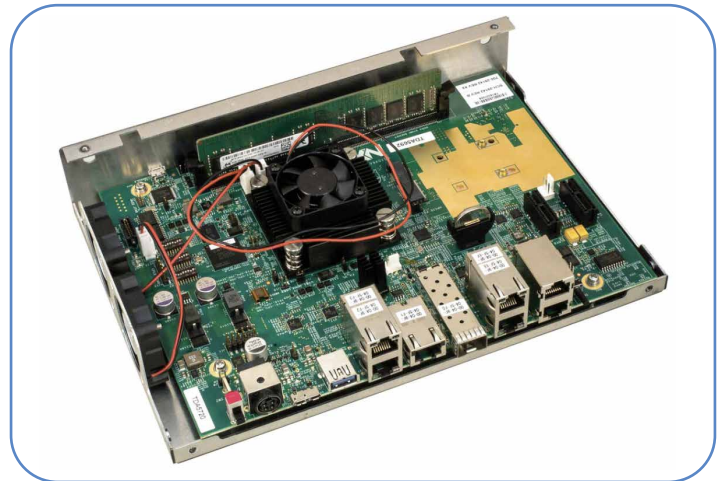
BlueBox—Automotive

The BlueBox development platform provides the required performance, functional safety and automotive reliability to develop self-driving cars.



LS1046A Reference Design Board—Edge Processing

The LS1046A reference design board (RDB) is a high-performance computing, evaluation, and development platform that supports the Layerscape® LS1046A communications processor.



For more information and quotes, please fill out the contact form at www.nxp.com/HardwareSolutions

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Document Number: HARDWARESOLFS REV 0