



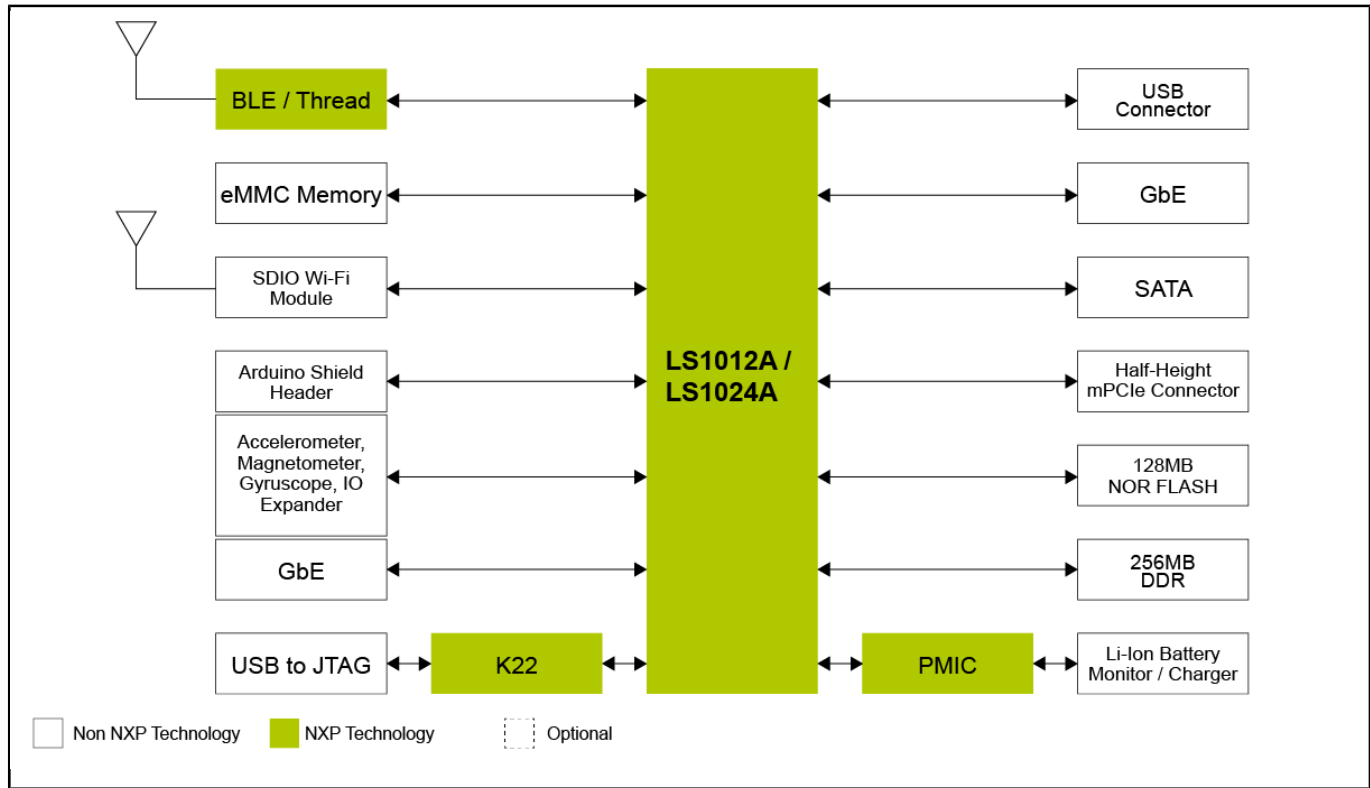
# Layerscape LS1012A Smart Home Gateway Reference Design

## SMART-HOME-GATEWAY

Last Updated: May 1, 2023

NXP's Smart Home Gateway Reference Design provides a bridge from a wide area network (WAN/Cloud) connection to a local area network, usually through Wi-Fi and/or Ethernet, while supporting a wide array of wireless communication protocols in the home. Based on the Layerscape® LS1012A processor and the LS1012A Broadband Home Router Application Solution Kit, it allows developers to easily leverage a highly optimized software stack.

## Smart Home Gateway Block Diagram



View additional information for [Layerscape LS1012A Smart Home Gateway Reference Design](#).

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

[www.nxp.com](http://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. © 2024 NXP B.V.