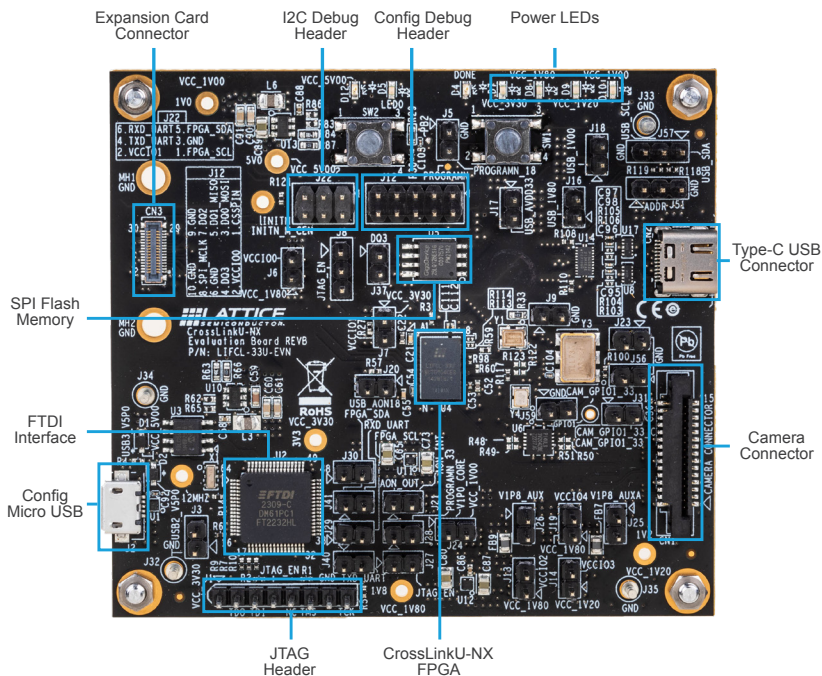


This document provides a brief introduction to the Lattice CrossLinkU-NX Evaluation Board.



Check Kit Contents

The Lattice CrossLinkU-NX Evaluation Board kit contains the following items:

- Lattice CrossLinkU-NX Evaluation Board
- Lattice CrossLinkU I/O Daughter Board
- Micro USB cable for Programing (USB-A to Micro-B)
- USB3.1 Type C Cable for Aggregation(USB Type C to USB Type C)

* For improved performance of the USB feature, please use the high-performance cable available at the links below:

- Type-C to Type-C
- Type-C to Type-A

- Quick Start Guide
- Lattice Radiant® Software Download Information

2

Using the Lattice CrossLinkU-NX Evaluation Board

The Lattice CrossLinkU-NX Evaluation Board as shipped supports Master-SPI Based Configuration. The External SPI Flash Configuration Memory is pre-loaded with USB Aggregation Demonstration.

3

Installing the Software

The Lattice CrossLinkU-NX Evaluation Board is preprogrammed with a basic demonstration.

To develop your own solutions, download and use the Lattice Radiant (version 2024.2 or later) and Lattice Propel™ (Version 2024.2 or later).

If you only need to re-program the board, you can use the Lattice Radiant programmer Standalone Software (version 2024.2 or later).

4

Powering the Boards and Observing the Demo Program

Board has two USB Connector (Micro USB and Type C USB). We can power using any one of the USB. Connect the Type C USB Cable with PC. All the green power LEDs should light up to indicate that the board has proper Power. Lattice CrossLinkU-NX (U4) Will upload the configuration bitstream from the flash memory (U5). After configuration, LEDs D4 Done will glow. You can see Lattice USB23 in Device Manager under Universal Serial Devices. For further information about the I/O Aggregation Demonstration and its uses, please refer to the [I/O Aggregation Over USB with CrosslinkU-NX Reference Design - User Guide](#) on www.latticesemi.com.

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Doing more with the Lattice CrossLinkU-NX Evaluation Board

Check the Lattice website at latticesemi.com/products/developmentboardsandkits/crosslinku-nx-evaluation-board to download the full User Guide, the full source code of the default demo, and other resources. You can use the Lattice Radiant and Lattice Propel software tool to develop and program your own demos.

Additional Terms and Conditions Applicable to Lattice Programming and Development Hardware

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Technical Support

www.latticesemi.com/support

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