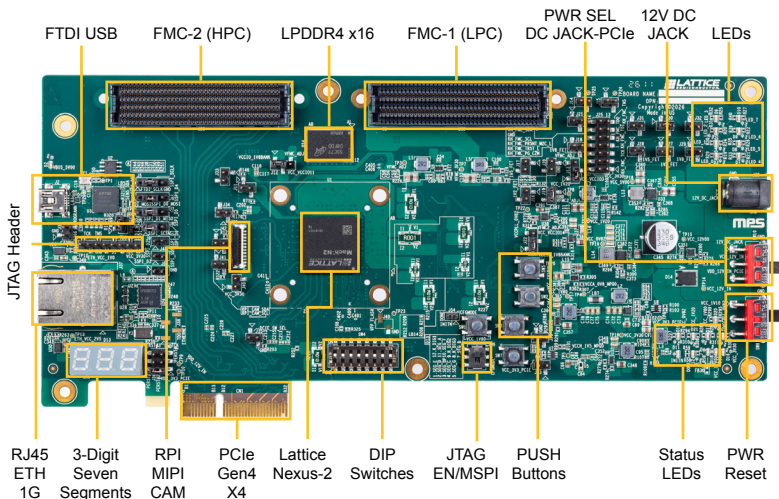


This document provides a brief introduction to the Mach-N2 Evaluation Board.



## 1

### Check Kit Contents

The Lattice Evaluation Board kit contains the following items:

- Lattice Mach-N2 Evaluation Board
- 12 V AC/DC Adapter and International Plug Adapters
- USB Cable for Programming via PC (USB-A to Mini-B)
- Quick Start Guide with Lattice Radiant software download information

## 2

### Using the Lattice Mach-N2 Evaluation Board

The Lattice Mach-N2 Evaluation Board Kit, as shipped, contains the following items and supports internal SPI-based configuration. The internal SPI flash memory is preloaded with an LED blinking demonstration program.

**3**

### Installing the Software

- The Lattice Mach-N2 Evaluation Board is pre-programmed with a demonstration bitstream file.
- To develop your own solutions, download and use the Lattice Radiant design software (version 2026.1.1 or later) in [latticesemi.com/radiant](https://latticesemi.com/radiant).
- If you only need to reprogram the board, you can use the Lattice Radiant Programmer Standalone software (version 2026.1.1 or later). Connect the USB cable from J2 to the PC and set SW6 to JTAG mode.
- If you only need to re-program the board, you can use the Lattice Radiant Programmer standalone software (version 2026.1.1 or later).

**4**

### Powering the Board and Observing the Demo Program

After connecting the supplied 12 V DC power adapter to the power input jack (J39) on the board, set switch SW10 to the DC Jack position and set SW8 to the ON position. All power-good LEDs will light up, indicating that the board is powered on. Configuration of the Lattice Avant-G/X Versa Board from the internal flash memory is completed almost immediately, as the internal flash configuration memory is preloaded with a digital LED blinking demonstration program.

- LEDs D3, D4, D5, D6, D7 and D8 were start blinking.

**5**

### Doing More with the Mach-N2 Evaluation Board

- Check the Lattice website [latticesemi.com/mach-n2-evaluation-board](https://latticesemi.com/mach-n2-evaluation-board) to download the full User's Guide, the full source code of the default demo, and other resources. You can use the Lattice Radiant software to develop and program your own demos.

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#### Technical Support

[www.latticesemi.com/support](https://www.latticesemi.com/support)

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