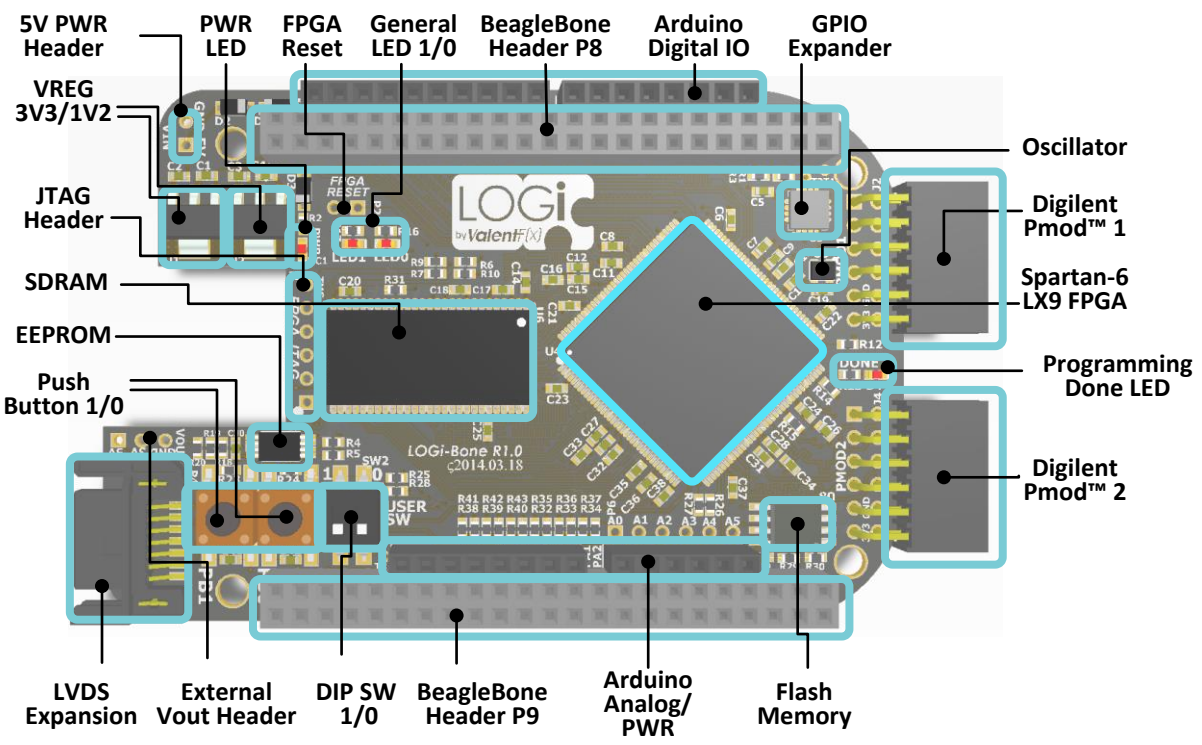
LOGI Bone – FPGA Development Board for The BeagleBone Black

Quick Start Guide

Exclusively from element14

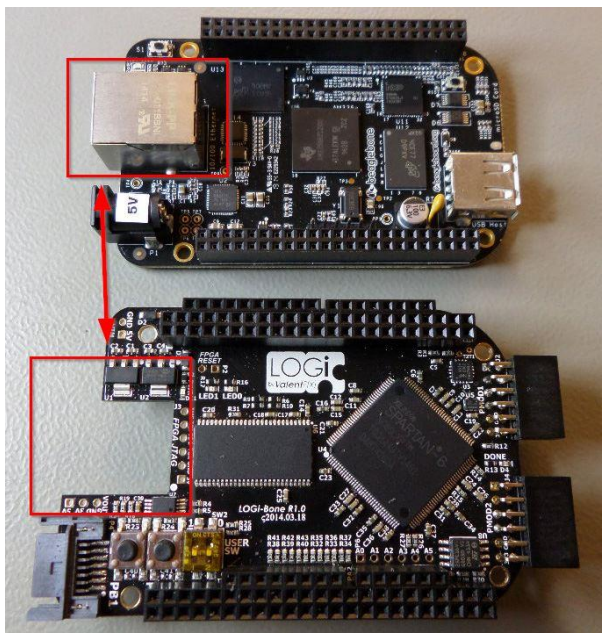
This Quick Start Guide introduces only the most basic steps for getting started with the LOGI Bone FPGA with the BeagleBone Black. For a more detailed LOGI Bone Quick Start Guide and additional resources visit: *www.element14.com/LOGI*

LOGI Bone Functionality

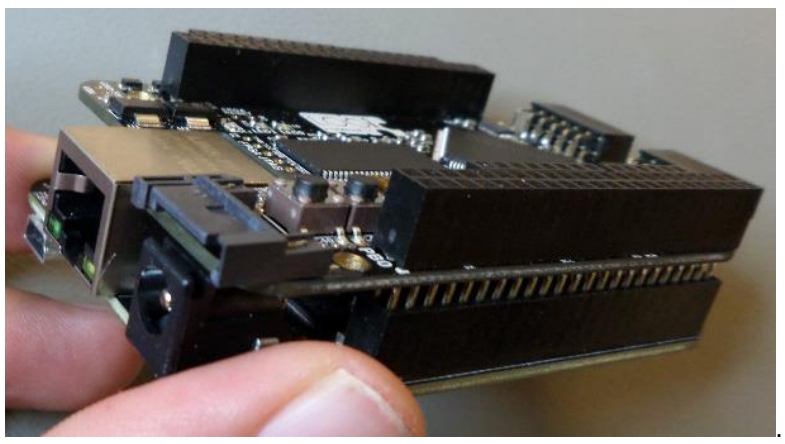


Overview of System Setup

1. Orient the LOGI Bone PCB cutout with the BeagleBone Ethernet Jack as shown in the image.



2. Connect the LOGI EDU to the Raspberry Pi as shown in the image.



3. Write the pre-configured LOGI Linux image with LOGI tools onto an SD Card. Download and write the image to a 4GB (minimum) SD Card.*
4. Boot the BeagleBone with an attached HDMI LCD display, keyboard, and mouse.
5. Or use an SSH terminal to create a remote terminal session with the BeagleBone from a remote PC.*
6. Run the LOGI-Apps from the command line by navigating to the blink LED demo located in the LOGI-Apps directory: *"cd ~/logi-apps/blink_led"*
7. Run the blink LED demo: *"sudo ./make_demo.sh"*

*More details for these steps can be found in the detailed Quick Start Guide and User Manual at www.element14.com/LOGI

LOGI Bone Resources

- Detailed Quick Start Guide
- User Manual
- Schematics
- Source Code and Driver Repositories
- Full projects including Machine Vision, Robotic Control and more.

www.element14.com/LOGI

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