Zynq Intelligent Drives Kit II
High Performance SoC Motor Control
Hardware Setup

1-5. Assemble and configure the hardware as shown below.

6. Provide an internet connection by attaching the Ethernet cable to one of the FMCMOTCON2 jacks and a networked router.

7. Connect power sources as shown.

8. Connect an HDMI monitor (not included) to ZedBoard. (Resolution ≥ 720p).

9. Connect the included USB dongle to the USB OTG port.

10. Connect a USB mouse and keyboard through a USB hub.
Demo Setup
1. Insert the 8GB SD Card labeled with Analog Devices logo into a laptop or PC.
2. Open the folder named zynq-zed-adv7511-fmcmotcon2.
3. Copy files BOOT.BIN and devicetree.dtb into the SD card root directory.
4. Safely eject the SD card and insert into ZedBoard (under FMC connector J1).

Running the Demo
1. Connect hardware as described in the Hardware Setup section of this guide.
2. Turn ZedBoard power switch (SW8) to ON.
3. Wait ~45 seconds for Linux to boot and display on your monitor.
4. Double-click the ADI Update Tools desktop icon to get the latest version of ADI Linux applications.
5. Double-click the ADI Update Boot desktop icon to get the latest version of Zynq boot files.
6. Restart the system using the Log Out desktop icon.
7. Use the ADI IIO Oscilloscope to control the motor and monitor parameters.

Please visit www.zedboard.org → Support → Documentation for the complete Getting Started Guide with detailed setup and demo instructions.
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