GETTING STARTED

1. Connect 12 V power to barrel jack (J20).
2. Connect the UART port of ZedBoard™ (J14) to a PC using the MicroUSB cable.
3. Insert the included SD Card into J12.
4. Turn power switch (SW8) to ON. Board will power on. Green Power Good LED (LD13) should illuminate.
5. Wait approximately 15 seconds. The blue Done LED (LD12) should illuminate, and a default image will be displayed on the OLED (DISP1).
6. If the amber USB-Link Status (LD11) does not flicker to indicate activity, instructions for downloading the CY7C64225 USB-to-UART driver can be found on the website listed below.
7. Use Device Manager to determine the COM Port. Open a Terminal Program, configure to 115200/8/n/1/n.
8. Cycle power by turning the power switch (SW8) from ON to OFF and then back ON.
9. In the Terminal Window, a simple Linux image should boot with functionality that demonstrates the basic capabilities of ZedBoard™.
10. When you are done using Linux, run the command “poweroff” and then switch off ZedBoard™.

Features
- USB-OTG: To use USB peripheral devices with ZedBoard™, install jumpers JP2 and JP3. To connect 2 or more devices, first connect a USB hub to the USB-OTG port.
- ETHERNET: After boot-up a dropbear ssh server, ftpd FTP server, and a httpd HTTP server will run. Refer to the documentation on these servers if you are interested in using them. A default website is hosted on the httpd server that can be reached at the static IP: 192.168.1.10.
- VGA: A test pattern is driven on the VGA connector by the programmable logic.
- SWITCHES/LEDs: Scripts are included for writing to the LEDs and reading the state of the switches. To read the state of the switches, run the command: “read_sw.” Control the LEDs with command: “write_led <8-bit value>”. To turn all 8 LEDs on, use command: “write_led 0xFF”.
- OLED DISPLAY: A default image should be displayed on the OLED after Linux has finished booting. In order to prolong the life of the OLED display, the manufacturer suggests that a specific powerdown sequence be used. Running the poweroff command before switching ZedBoard™ off will ensure that this procedure is correctly followed.

Please visit www.zedboard.org/Support/Documentation for the complete Getting Started Guide with detailed setup instructions and numerous example designs.
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