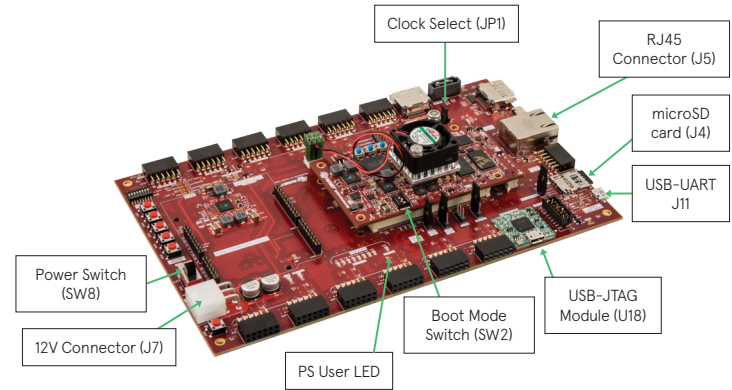


# UltraZed™-EG Starter Kit



## GETTING STARTED:

1. If not previously installed, go to <http://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx> to download and install the Silicon Labs CP210x USB-to-UART driver.
2. Plug the UltraZed-EG SOM onto the IO Carrier Card via JX1/JX2/JX3 connectors.
3. Set the UltraZed-EG SOM SW2 Boot Mode switch (MODE[3:0] = SW2[4:1]) to ON, ON, ON, and OFF positions (Boot Mode set to QSPI, MODE[3:0] = 0x1).
4. Install a jumper on the IO Carrier Card JP1.
5. Connect the USB A-mini-B cable to J11 on the IO Carrier Card and the USB port of the PC. This will provide USB-UART connection to the board.
6. Connect 12V power supply to J7 on the IO Carrier Card.
7. Use Device Manager to determine the COM Port. Open a terminal program, configure it to 115200/8/n/1/n.
8. Slide the SW8 power switch to the ON position on the IO Carrier Card.
9. The out-of-box design will run and you will see the following on the UART terminal (please allow time for Linux to boot). You should also see the PS on-board user Red LED flashing.
10. Go to [www.ultrazed.org/product/ultrazed-EG](http://www.ultrazed.org/product/ultrazed-EG) to download a detailed Getting Started Guide.



If you are using the UltraZed-EG SOM with ES1 silicon:

- Use the software voucher shipped with the kit to obtain and install Vivado with ES1 license.
- Create a text file called `init.tcl` and enter the following line: `enable_beta_device*`
- Save and close the `init.tcl` file.
- Place the `init.tcl` file in the `\Xilinx\Vivado\2016.x\scripts` folder.

```
done.
Starting Dropbear SSH server: Generating key, this may take a while...
Public key portion is:
e3h7sa BAAAB3NacCI uc2EAAAADQABAAABQc:Gson1huyDOBX jBouMLT21uXJCR1dGCPcous49yL54HU2P2toXJELFiy
92BpT8501L4==E1E8u0Z8bqMYE:3l0c0Z2E2J7R0ZdCpP4P0u0c0c1v717R8aK9716#1PWI+972a894H#2B5
v00P4v0cFMC0N1E2ZAMVZ0pc0h0u04MBdt u0D094dumz05Z0x0KupP50v9Z+0p40wY1F0Ht/130B00a0UEtE
UwJ0538XcY60N0R0B0a12+oLc0X06880gnt17Q0SavLMkp+100kzd3mp0t6RJ0eg/CsBJ000w2953L0o0k37>0n5Zyup
v00h0c0ag=2016-2
Fingerprint: md5:af:8f:e8:59:30:89:e0:a8:67:28:02:eb:56:07:71:f7
dropbear
Starting Busybox HTTP Daemon: httpd... done.
=====
*** Runet UltraZed Out Of Box Petalinux Build 01_0 ***
*** Based Upon the UZ3EG 2016.2 Petalinux BSP from Runet ***
*** More information available on UltraZed.org community site ***
=====
uz3eg-2016-2 login:
```



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