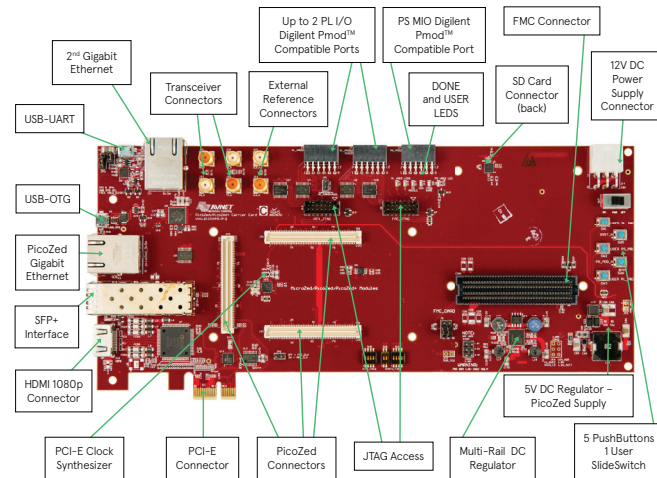


PicoZed™ FMC Carrier Card



INSTRUCTIONS

1. If not previously installed, go to www.picozed.org to download and install the drivers referenced in Avnet's Silicon Labs CP210x USB-to-UART Setup Guide.
2. Attach PicoZed™ to the FMC Carrier Card.
3. Set the Boot Mode DipSwitch (SW1) on the PicoZed SOM to SD boot, with switches in the 1-2 and 4-5 positions.
4. Attach 12V DC power supply to the DC Power Supply Jack.
5. The pre-programmed microSD card in your kit contains boot files for each PicoZed SOM version. Mount the microSD card in a host system, and rename the BOOT-PZ70n.BIN file corresponding to your SOM to BOOT.BIN. Eject the microSD card from the host and insert it in the card cage on the FMC Carrier Card.
6. Switch carrier power on. Green Power Good and Red PG_Module LEDs (D1 or D3 on PicoZed and D19, D14 on Carrier) should illuminate. Blue Done LED (D21) will illuminate within 1 second after power-up.
7. Connect USB-UART port of the Carrier (J6) to a PC using the microUSB cable.
8. Use Device Manager to determine the COM Port. Open a terminal program, configure to 115200/8/n/1/n.
9. Reset the processor by pressing and releasing the RST button (SW5 on Carrier).
10. The terminal will boot to Wind River Pulsar Linux. Please refer to the Wind River Pulsar Linux Quick Start Guide included in this kit for login details and first time operation instructions.
11. When you are done with Pulsar Linux, enter "poweroff" and allow the shutdown to complete before removing power.
12. For QSPI boot, please go to www.picozed.org and download "PicoZed FMC Carrier Card Getting Started Guide". The QSPI on any SOM can be upgraded to the latest image. Search "PicoZed Flash Upgrade" at www.picozed.org/forum.



Features

- Communications:
 - PicoZed ethernet and USB-OTG connectors
 - 2nd ethernet PHY and connector
 - USB-UART transceiver and microUSB connector
- Memory: Bootable microSD card slot
- Display: 1080p HDMI transmitter and connector
- Transceivers: 7015/7030-enabled PCIe, SFP+, SMA, and FMC
- FMC: Low pin count (LPC) FMC with 72 PL I/Os (36 differential pairs)
- PMODS: 3 Digilent Compatible Peripheral Module Interfaces
 - One directly connected to PS MIO
- Two connected to PL I/O banks
- SWITCH/LED: 2 LED's, 3 pushbuttons
- POWER: User-Selectable VCCIO PL-bank and FMC Vadj power supply
 - 1.8V, 2.5V, or 3.3V

Visit www.picozed.org for kit documentation and other reference designs.



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