

PicoZed™ FMC Carrier Card V2



Electronics Marketing



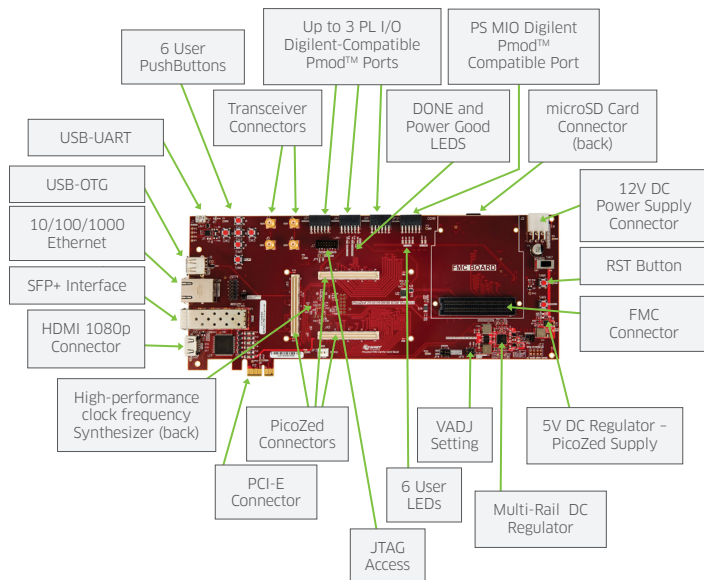
Technology

WARNING!

Do not boot a stock PicoZed SOM in QSPI mode on the FMC Carrier V2. This could damage your carrier or SOM.

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 V2.
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. Set the VADJ Voltage jumper (JP5) to 1-2 for 1.8V operation. **WARNING!** 7030 must be 1.8V only.
5. Attach 12V DC power supply to the DC Power Supply Jack (J2).
6. Connect USB-UART port of the Carrier (J1) to a PC using the microUSB cable.
7. Use Device Manager to determine the COM Port. Open a terminal program, configure to 115200/8/n/1/n.
8. 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 BOOTPZ70nn.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.
9. Switch carrier power on. Green Power Good, VIN_HDR, and PG_Module LEDs (D1 or D3 on PicoZed and D4, D5 on Carrier) should illuminate. Blue Done LED (D3) will illuminate within 1 second after power-up. 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 the FMC Carrier V2 Tutorials page at www.picozed.org and download the *Getting Started with QSPI on PicoZed FMC Carrier V2* archive.



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

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