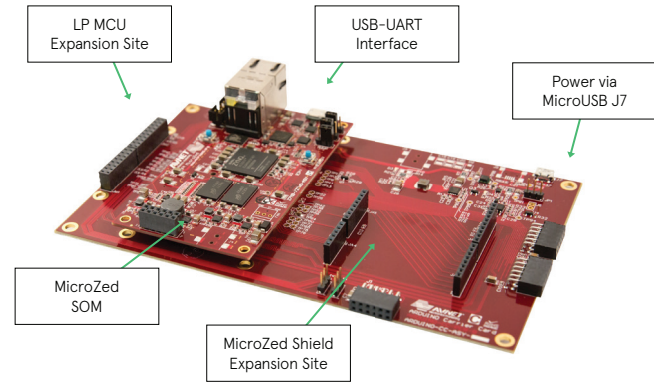


# MicroZed™ Carrier Card Kit for Arduino™



## INSTRUCTIONS

1. Navigate to [www.microzed.org/product/arduino-cc](http://www.microzed.org/product/arduino-cc) to download the Getting Started Guide
  - a. Select Products g MicroZed™ Carrier Card Kit for Arduino™
  - b. Scroll down to Documentation, and click on Getting Started Guide
2. Extract all files and follow the programming instructions provided in the extracted Getting Started Guide
3. If this the first use of a MicroZed SOM, refer also to the Quick Start Instructions for MicroZed
4. Setup of a typical development platform based on MicroZed Carrier Card for Arduino™:
  - a. Attach Avnet MicroZed-7010 SOM to the Carrier Card
  - b. Attach target Shield board to JA1, JA2, JA3, JA4 connectors of the MicroZed Shield Expansion site
  - c. Attach +5V power using provided cable between Carrier microUSB connector J7 and laptop computer
  - d. Attach USB Serial Console connection between MicroZed SOM connector J2 and laptop computer
  - e. Launch serial console app (Tera Term or equivalent), with the appropriate COM port set to 115200 bps.



## Features

- Arduino-compatible Shield expansion site for 3rd-party peripheral boards (interfaced to MicroZed)
- Pmod-compatible Zynq PS (SDIO/SPI) expansion connector (interfaced to MicroZed)
- Pmod-compatible FPGA PL expansion connector (interfaced to MicroZed)
- Pmod-compatible I2C/UART expansion connector (interfaced to Low-Power MCU)
- Partial Arduino Shield Connector for Low-Power MCU sub-system which facilitates:
  - MCU managed ON/OFF power control of all voltage rails on MicroZed
  - MCU offloading of subset of tasks from MicroZed Apps Processor
  - MCU low-power sensor-hub functionality, autonomous from Apps MCU
- Optional add-on MCU board: Freescale FRDM-KL46Z recommended
- Optional add-on Sensor Shield: Freescale FRDM-FXS-MULTI stacked onto FRDM-KL46Z
- Optional alternative Shields: may be stacked onto MCU board but with pinout limitations

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