MiniZed™

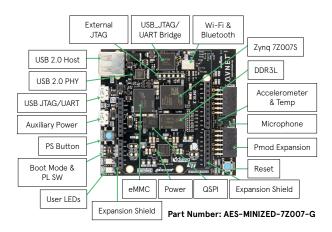


INSTRUCTIONS

- Navigate to www.minized.org to download the MiniZed Zynq SoC Development Kit Getting Started Guide
 - a. Select Products → MiniZed Development Kit
 - b. Scroll down to Documentation, and click on Getting Started Guide
- 2. Extract all files and follow the instructions in the extracted <u>Getting Started Guide</u>
- 3. Brief Instructions for experienced users:
 - a. Connect the Debug USB connector (J2) to your PC/laptop
 - In a serial text terminal emulator, open the newly detected COM port @ 11500 baud
 - c. Push the Reset button (SW2) and wait for Petal inux to boot
 - d. Log in as **root** with password **root**
 - e. Enter **bt.sh** and wait for the scan for Bluetooth devices to complete.
 - f. Enter i2c_test.sh to run a demonstration that reads the motion & temperature sensor
 - g. Whistle at the MiniZed board and notice how the PL user LED (D8) responds to input from the microphone.

Features

- Xilinx Zynq single-core SoC XC7Z007S-1CLG225C
- Micron storage: 512MB DDR3L, 128Mb QSPI flash, 8GB eMMC
- On-board USB to JTAG & Debug UART
- Murata "Type 1DX" LBEE5KL1DX wireless module that provides
 - Wi-Fi compliant with 802.11b/g/n
 - Bluetooth 4.1 plus EDR (Enhanced Data Rate) and BLE (Bluetooth Low Energy)
- USB 2.0 host interface
- Expansion shield and dual Pmodcompatible interface
- Dialog DA9062 Power-management IC with programmable GPIO
- ST Micro: MP34DT05 MEMS microphone
- ST Micro: LIS2DS12 Accelerometer & Temperature sensor
- User pushbutton, switch and bi-filament LEDs x 2



Safety Warnings: This product shall only be connected to an external power supply rated at 5V DC that provides a minimum current of 500mA. Any external power supply used with MiniZed shall comply with relevant regulations and standards applicable in the country of intended use. Only compatible plug-in modules shall be connected to MiniZed. The connection of incompatible devices may affect compliance or result in damage to the unit and void the warranty.

This product shall be operated in a well-ventilated environment. If a case is used, it shall have adequate ventilation.



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