

SCB EZI2C: Software mode

› **Description:**

- This example demonstrates SCB-EZI2C in SW Slave Mode, with PC/Aardvark in master Mode.

› **Target Device:**

- Traveo-II CYT2B9x devices

› **Hardware:**

- CYTVII-B-E-176-CPU BOARD REV.C (REV_C)
- TVII Base Board (BB)

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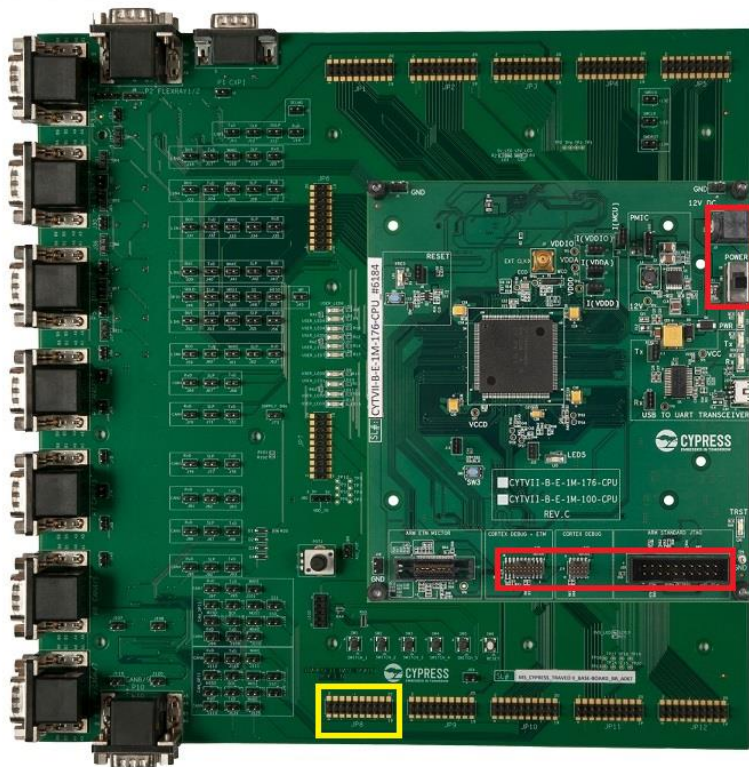
› **Dependency:**

- Any example could be copied to the main “src” based on the interested core
- Two slave addresses are supported for the MCU, 0x08 and 0x09
- Aardvark SCL/0 - P1_0_SCB0_I2C_SCL (JP8/4 on BB)
- Aardvark SDA/2 - P1_1_SCB0_I2C_SDA (JP8/3 on BB)
- Aardvark GND/1 to any GND on the CPU/BB

› **Expectation:**

- MCU is set in Slave Mode always in EZI2C, Aardvark shall be set in Master mode and click start.
- PC/Aardvark sends data to MCU. Aardvark will show the sent data and received data.
- Any SCB channel can be used and along with respective channel interrupts.

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> Legend:

- Red block for power, debug and USB (Mandatory)
- Yellow block for the example specific connections