Bosch Sensors Mezzanine for 96Boards

Quick Start Guide

P/N: SRT-DOC00003 Rev:1.0

1. Introduction

Shiratech Bosch Sensors Mezzanine is a 96Boards compatible mezzanine board that adds a set of sensors to any 96Boards CE/EE boards.

This quick start guide will show you how to connect the mezzanine and install the onboard sensors demo application on Debian Linux.

2. Box content

1. Bosch sensors mezzanine board
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3. Required hardware

1. USB flash drive or Micro SD card
2. 96Boards CE/EE board running latest Debian Linux–in this guide we will use the Dragonboard 410C
3. Power supply
4. HDMI monitor and cable
5. USB mouse and keyboard

4. Running the mezzanine for the first time

1. Connect the mezzanine on top of your 96Boards CE/EE board.
2. Connect HDMI monitor, USB keyboard and USB mouse to your board.

3. Power on your board.
4. Download and install the latest Debian Linux for your 96Boards CE/EE board.
   For Dragonboard 410C follow the instructions in the following link:
   https://www.96boards.org/documentation/consumer/dragonboard410c/downloads/debian.md.html

5. On board sensors demo installation

1. Download the sensor demo application from the following link:
   http://www.shiratech-solutions.com/resources/
2. Copy the file sensordemo_1.0_all.deb to a USB flash drive or micro SD card and connect it to your 96Board CE/EE board.
3. Open a terminal window.
4. To install the sensors demo application type:
   $ sudo apt-get install <sensor-demo.deb path>
   Example:
   $ sudo apt-get install /media/linaro/USB/ sensordemo_1.0_all.deb
5. Once installation is complete open a Web browser and type the following address:
   127.0.0.1:8081
   The web browser will show an HTML page displaying the five onboard sensors data readings refreshing.
   Move the board and see the absolute orientation sensor data readings changes according to the board movement.
6. To remove the sensor demo application type:
   $ sudo apt-get remove sensordemo