

M32.sensor 3 Axis BMA280

Sensor Test

<http://www.mangoboard.com/>

<http://cafe.naver.com/embeddedcrazyboys>

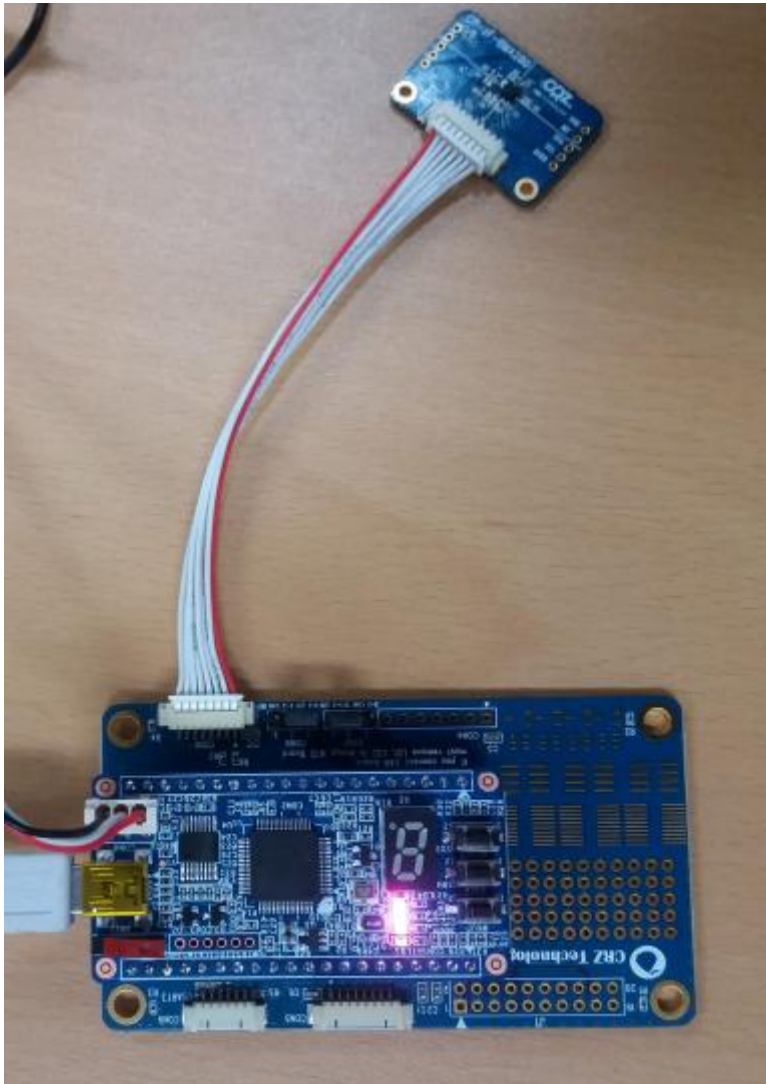
Crazy Embedded Laboratory

Document History

Revision	Date	Change note
Init	2016-11-23	전종인

1. 테스트 방법	4
프로그램 Writing.....	4
Test	4

1. 테스트 방법



프로그램 Writing

ARM Cortex-M3 시스템 프로그래밍 완전정복I , 6.1.4 Flash Download(p151)을 참고해 주세요.

또는 <http://cafe.naver.com/embeddedcrazyboys/7453> : (Cortex-M3, STM32) 망고M32 다운로드 방법

소스 링크

<http://crztech.iptime.org:8080/Release/mango-m32/src/3-Axis-BMA280/>

Test

- 프로그램을 다운로드하고 실행 시키면 터미널 창에서 아래와 같은 화면을 볼 수 있습니다.

```
-----
```

```
Mango M32 test start...
```

```
Press menu key
```

```
-----
```

```
0> System Information
```

```
-----
```

```
1> LED Test
```

```
2> KEY Test
```

```
3> 7-Segment Test
```

```
4> USB HID Test
```

```
5> L3G4200 id
```

```
6> GYRO_L3G4200_vTest
```

```
7> 3AXI-BMA280 Test
```

```
8> 3AXI-BMA150 Test
```

```
-----
```

```
x> quit
```

7번 선택

```
7 is selected
```

```
Check Busy  three_axis_acc_sensor_test
```

```
1  three_axis_acc_sensor_test
```

```
2  three_axis_acc_sensor_test
```

```
3  three_axis_acc_sensor_test
```

```
4  three_axis_acc_sensor_test
```

```
5  three_axis_acc_sensor_test
```

```
 6 three_axis_acc_sensor_test
```

```
I2C_Value = [0xfb]
```

0xfb 값이 데이터시트 내용과 일치합니다.

Register 0x00 (BGW_CHIPID)

The register contains the chip identification code.

Name	0x00	BGW_CHIPID		
Bit	7	6	5	4
Read/Write	R	R	R	R
Reset Value	n/a	n/a	n/a	n/a
Content	chip_id<7:4>			

Bit	3	2	1	0
Read/Write	R	R	R	R
Reset Value	n/a	n/a	n/a	n/a
Content	chip_id<3:0>			

chip_id<7:0>: Fixed value b'1111'1011|