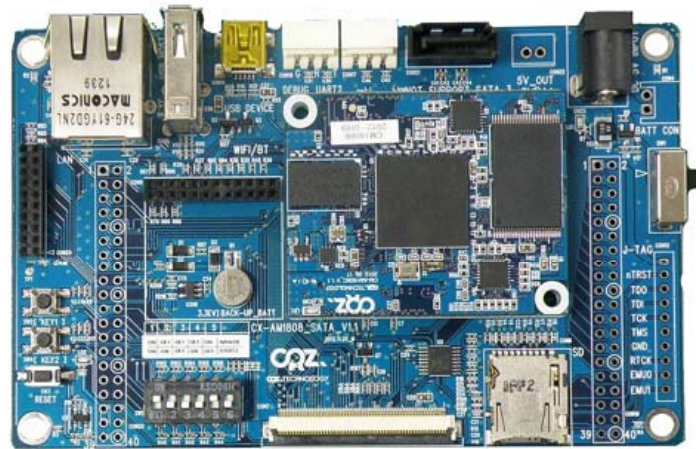




Quick Start Guide



Mango1808

About the Mango 1808

- ARM926EJ AM1808 CPU
- Mobile DDR2 128MB
- SLC NAND Flash 256MB
- 7" 800x480 with touch or 10.4" 800x600 with touch
- USB Host 1.1 : 1Port (Full Speed)
- USB Device 2.0 : 1Port
- SD : SD/MMC Port 0 , port 1 (WiFi/BT)
- Camera : Parallel 1 Port
- UART : UART2 (Debug) / UART1
- Ethernet : 10/100Mps Ethernet
- Power : DC-JACK 5V, 1A
- Button : Reset :1 , Button : 2
- Boot Switch : 1
- LED indicator : 1
- Expansion Connector (80x2) : EBI,UART,I2C GPIO etc
- Dimensions : base 120 x 76 mm CPU 50 x 40mm



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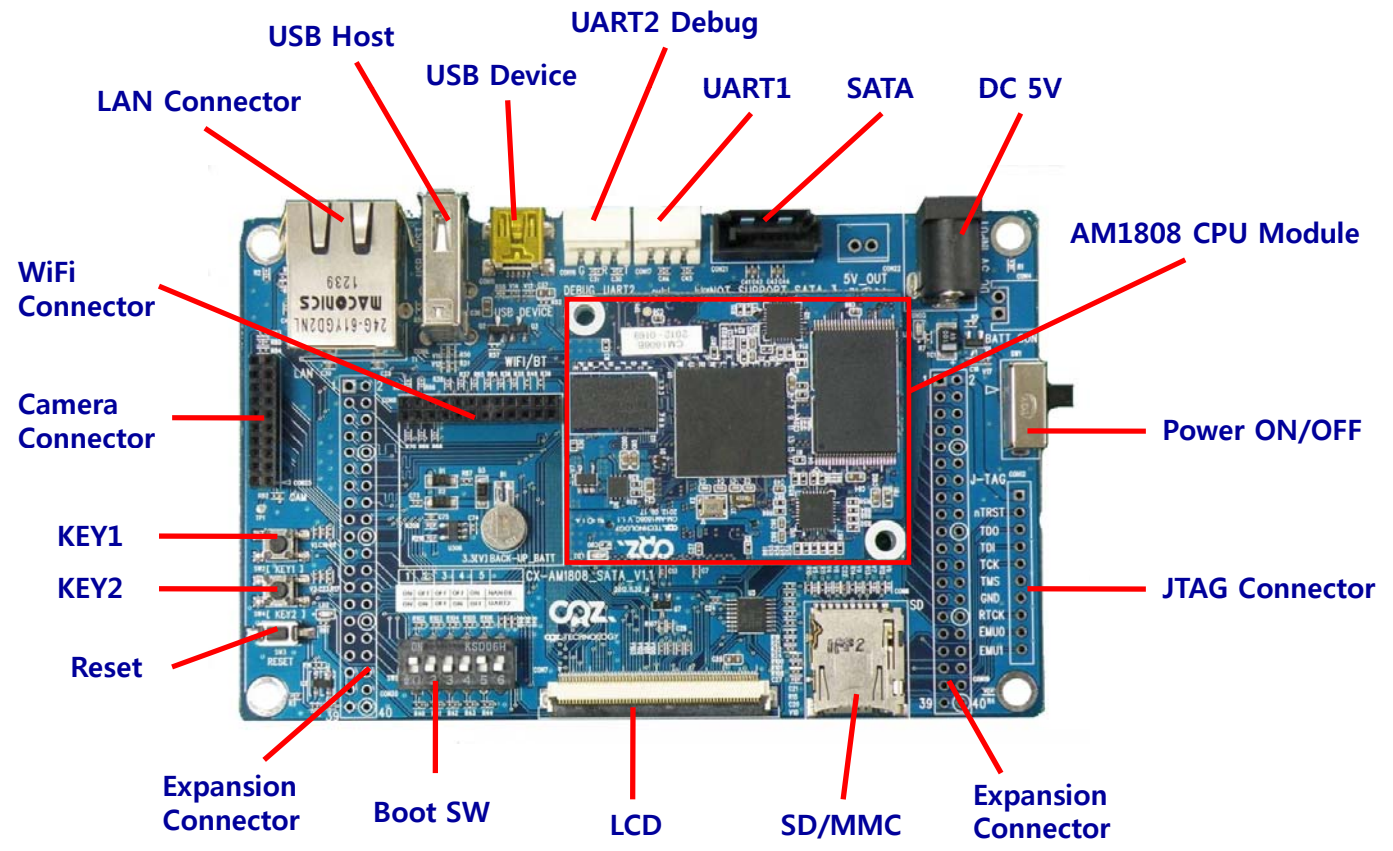
Getting Started

- ❖ Boards : Mango AM1808 CPU Board + CX-AM1808 Base Board, CM usb to RS232 module
- ❖ Cables : mini-usb Cable 2ea, 3pin Serial
- ❖ Power Supply : 5V /2A adapter
- ❖ Documentation : Quick Start Guide (this document)



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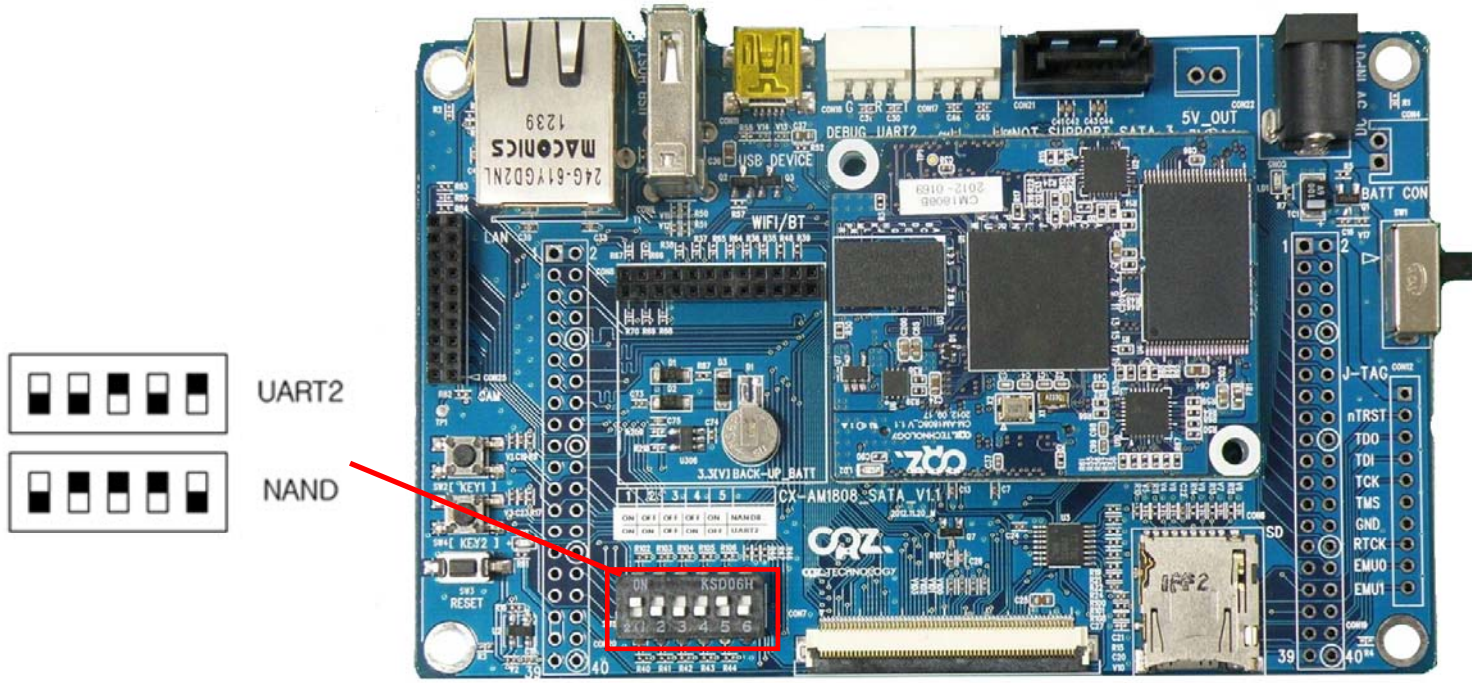
Get to Know the Mango1808



CRZ TECHNOLOGY

Setting up the Board

1 SD/MMC Boot Mode 스위치 설정



QORIQ TECHNOLOGY

Setting up the Board

3

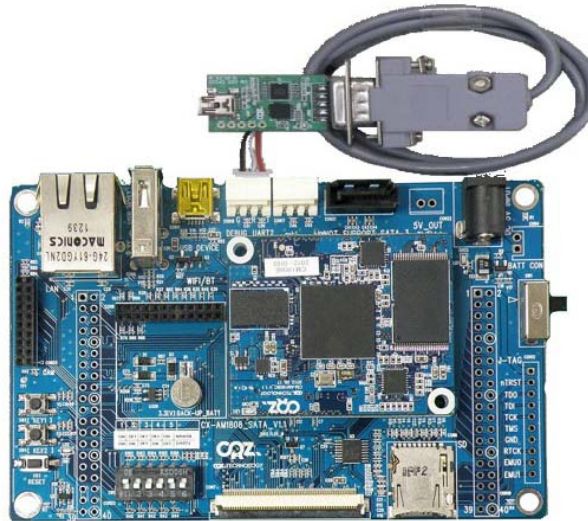
Power 연결

5V/2A 어댑터를 Mango1808 보드에 연결합니다. 전원이 정상적으로 연결되면 Power LED가 켜집니다.

4

3Pin RS232 보드 연결

아래와 같이 Mango1808 보드의 RS232 커넥터에 RS232모듈을 장착하여 컴퓨터에 연결한 후 Reset 스위치를 누릅니다.



ORZ TECHNOLOGY

Setting up the Board

5

디버깅 메시지 확인

터미널 프로그램을 연결하여 다음과 같은 디버깅 메시지를 확인하면 정상동작을 하는 것입니다.

```
NAND read: device 0 offset 0x200000, size 0x400000
4194304 bytes read: OK
## Booting kernel from Legacy Image at c0700000 ...
Image Name:   Linux-2.6.37
Image Type:   ARM Linux Kernel Image (uncompressed)
Data Size:    2977916 Bytes = 2.8 MiB
Load Address: c0008000
Entry Point:  c0008000
Verifying Checksum ... OK
Loading Kernel Image ... OK
OK

Starting kernel ...

Uncompressing Linux... done, booting the kernel.
Linux version 2.6.37 (treego@treego-C2SBA) (gcc version 4.9.3 (Sourcery G++ Lite
2009q1-203) ) #1 PREEMPT Wed May 27 14:39:21 KST 2015
CPU: ARM926EJ-S [41069265] revision 5 (ARMv5TEJ), cr=00053177
CPU: VIVT data cache, VIVT instruction cache
Machine: CRZ Technology AM1808 Board
```

부팅 시작 시 로그



CRZ TECHNOLOGY

Setting up the Board

5

디버깅 메시지 확인

터미널 프로그램을 연결하여 다음과 같은 디버깅 메시지를 확인하면 정상동작을 하는 것입니다.

```
Freeing init memory: 180K
Starting logging: OK
Starting mdev...
Initializing random number generator... done.
Starting system message bus: Unknown group "lp" in message bus configuration file
done
Starting network...
Starting connman ... done.
Starting dropbear sshd: NET: Registered protocol family 10
OK

Welcome to Mangoboard
mango1808 login: net eth0: DaVinci EMAC: ioctl not supported
```

부팅 완료 시 로그

소스

<http://crztech.iptime.org:8080/Release/mango1808/>

참조바랍니다.



CRZ TECHNOLOGY



For more information , visit
<http://www.mangoboard.com>
<http://cafe.naver.com/embeddedcrazyboys>