

1. Drawback of raspberry pi is no capability of drawing analog inputs.
2. It has 4 USB ports, very easy to have a keyboard, mouse, internet connection, display

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1. BBB - Onboard memory for the OS is stored, You can use SD card
 2. Just has a single USB

write the step by step configuration of the boards and set up in the window as well as in linux

1. Plug an ethernet card to your BB and network
2. Plug in usb port and
3. PC is recognized,
4. Beaglebone getting started site
<https://beagleboard.org/getting-started>

s1: Plug ur USB and ethernet

s2: Installed drivers

s3: Connect BBB to usb

Connect to over usb ..ethernet IP address...same for all 192.168.7.2

You will get a webpage....this is a webpage running on BBB...it says connected.....

To get ip address click on cloud9 ide.....that will display a IDE that you can install running program

This will not run on IE...use google chrome or firefox..

Open new terminal window...this opens linux terminal window

>ifconfig

It will give ethernet ip address(diff for all)

2. Differences between Raspberry pi, Dragon, imx7 Sabre, BBB

no	parameter	Raspberry pie	Dragon	imx7 Sabre	BBB
1	Chip	Broadcom BCM2835 SoC full HD multimedia applications processor			TI AM3359
2	CPU	ARM1176JZ -F Applications Processor		Two Arm® Cortex®-A7 Single Arm Cortex -M4	ARM Cortex-A8
	Process Speed	700 MHz Low Power		Two Arm® Cortex®-A7 core operating up to 1 GHz Single Arm Cortex -M4 core operating up to 200 MHz	1 GHz
	Flash	It has dedicated SD Card socket for loading operating system.			It uses 4GB (micro SD) for loading OS and data storage.
3	GPU	Dual Core VideoCore IV® Multimedia Co-Process or			PowerVR SGX530
4	Memory	512MB		1)1 GB	512 MB

		SDRAM		DDR3, 533 MHz 2) eMMC expansion footprint 3) NAND flash expansion footprint 4) QSPI flash expansion footprint	DDR3
5	Operating system	Linux			Linux, Android, Cloud9 IDE on Node.js w/ BoneScript library, plus more
6	Onboard storage	SD, MMC, SDIO card slot			2 GB 8-bit embedded MMC on-board flash version microSD card 3.3 V Supported (No Card Supplied)
	GPIO Pins	It has 12 GPIO pins			It has 69 GPIO pins.
	No. of I/O pins	It has 8 Digital, 0 Analog pins.			It has 65 Digital, 7 Analog pins.

	Power Management			PF3000 PMIC	
	Wireless			802.11 a/b/g/n/ac Wi-Fi® on board Bluetooth V4.0 + EDR on board	

3. Differences in different versions of BBB and write the evolution of the Beagle bone.

REFERENCES:

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