WiringSparky

WiringSparky is the modified version of wiringpi working with SPARKY SBC.

Download Sparky Linux Image :

Down load "**sparky_sd_emmc_720p_240317.img**" from below link.

https://drive.google.com/open?id=0BxXW6oNxptKgTktBR1FHZkNaSjA

Login: root password: sparky

Refer 40 pin details on https://github.com/sparkysbc/sparky_linux_images/blob/master/40-PIN-GPIO-PIN-OUT-DETAILS.pdf

Serial ports :

Default console port available on **/dev/ttyS3**, Pins details refer UEXT connector on sparky.

2nd Serial port available on **/dev/ttyS5** , Pins refer on 40 pin connector uart5 details.

IIC /I2C

I2c -2 and i2c-1 available on 40 pin header.

GPIO :

Gpio can be accessed by 2 ways .

1) wiring pi - Refer wiringpi documents/Examples.

Wiringpi Gpio No.	GPIO0	GPIO1	GPIO2	GPIO3	GPIO4	GPIO5	GPIO6	GPIO7
40 pin pos	Pin(11)	Pin(12)	Pin(13)	Pin(15)	Pin(16)	Pin(18)	Pin(22)	Pin(7)
*Sparky No	GPIOB15	GPIOA28	GPIOB16	GPIOB17	GPIOB31	GPIOB30	GPIOB12	GPIOB14
Sp Cpu Gpio count	32+15=47	0+28=28	32+16=48	32+17=49	32+31=63	32+30=62	32+12=44	32+14=46

2) can out 1/0 (high/loaw) to any gpio number using sparky_gpio executable.
   Example : to make GPIOB15 high use the below command.
   root@Sparky#sparky_gpio 47 1
   to make it low: root@Sparky#sparky_gpio 47 0