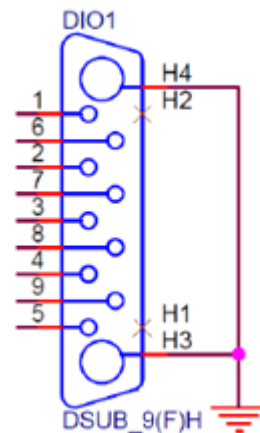


How to use DIO

- As shown in table below, chose which pin you want to control

Pin Number	AIR-020X JP4.x	AIR-020T JP4.x	AIR-020N JP4.x	AIR-020X JP 5.1
GPIO bit1	<u>393</u>	269	38	419(PN.01)
GPIO bit2	421	425	149	440(PQ.05)
GPIO bit3	265	411	65	318(PCC.01)
GPIO bit4	424	264	168	443(PR.00)
GPIO bit5	418	476	202	437(PQ.02)
GPIO bit6	436	396	216	453(PS.04)
GPIO bit7	417	337	169	436(PQ.01)
GPIO bit8	268	338	194	321(PCC.04)



How to use DIO

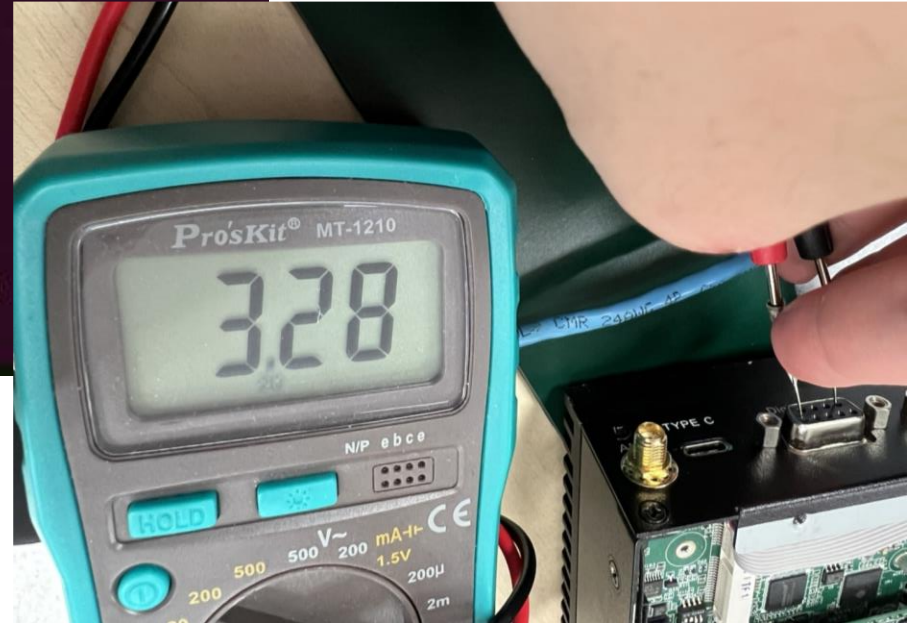
- Use the following command to startup GPIO 1
 - \$ sudo -s
 - # echo 393 > /sys/class/gpio/export
- After Startup, you can get the status of pin 1
 - # cat /sys/class/gpio/<Pin Number>/value (get the high or low of pin1)
 - # cat /sys/class/gpio/<Pin Number>/direction (get the pin1 is DI or DO)
- Note: <Pin Number> need to modify to gpio393 or PX.06 for setting DIO.

How to use DIO

- Use the following command to set GPIO 1 to Digital Output mode
 - # echo out > /sys/class/gpio/gpio393/direction
- After set the pin1 to DO mode, pull high then confirm it with electricity meter
 - # echo 1 > /sys/class/gpio/gpio393/value

How to use DIO

```
seven@seven-desktop:~$ sudo -s
root@seven-desktop:~# echo 393 > /sys/class/gpio/export
root@seven-desktop:~# echo out > /sys/class/g
gpio/    graphics/
root@seven-desktop:~# echo out > /sys/class/gpio/gpio393/direction
root@seven-desktop:~# echo 1 >/sys/class/gpio/gpio393/value
root@seven-desktop:~# echo 0 >/sys/class/gpio/gpio393/value
root@seven-desktop:~# echo 1 >/sys/class/gpio/gpio393/value
root@seven-desktop:~# cat /s
sbin/ snap/ srv/ sys/
root@seven-desktop:~# cat /s
sbin/ snap/ srv/ sys/
root@seven-desktop:~# cat /sys/class/gpio/gpio393/
active_low direction power/    uevent
device/    edge    subsystem/ value
root@seven-desktop:~# cat /sys/class/gpio/gpio393/value
1
root@seven-desktop:~# cat /sys/class/gpio/gpio393/direction
out
root@seven-desktop:~# █
```



Contact Window and File Link

- EIoT AE: Jackhsuan.liao Ext. 9319
- E-mail: Jackhsuan.liao@advantech.com.tw

*Go Together,
We Go Far and Grow Big*

