

GPIO Sample Code

GPI 1 ~ GPI 4

	GPI 1	GPI 2	GPI 3	GPI 4
IO Address	0xA03h	0xA03h	0xA03h	0xA03h
Bit	4	5	6	7
Sample code	#1			

GPO 1 ~ GPO 4

	GPI 1	GPI 2	GPI 3	GPI 4
IO Address	0xA02h	0xA02h	0xA02h	0xA02h
Bit	0	1	2	3
Sample code	#2			

```
#define GPI_REG      0xA03
#define GPO_REG      0xA02
#define GPO_0        0x01
```

Sample Code:

#1 : Get GPI 0 status

//Get GPI 0 Pin Status Register

```
printf("Input port value = %x\n",inportb(GPI_REG));
```

// al bit0 = GPI 0 status

#2 : Set GPO 0 status to high

; Set GPO 0 Pin to High

```
outportb(GPO_REG, 0x01);           //Set GPO 0 1 to High
outportb(GPO_REG, 0x01);           //Set IO_DO1 to High
outportb(GPO_REG, 0x02);           //Set IO_DO2 to High
outportb(GPO_REG, 0x04);           //Set IO_DO3 to High
outportb(GPO_REG, 0x08);           //Set IO_DO4 to High
outportb(GPO_REG, 0x00);           //Set IO_DO1~4 to Low
```