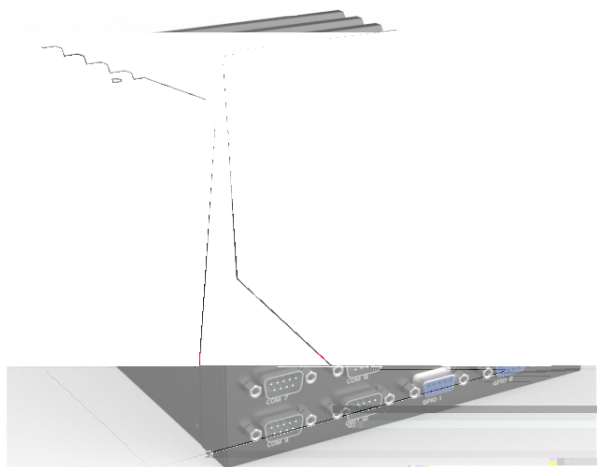
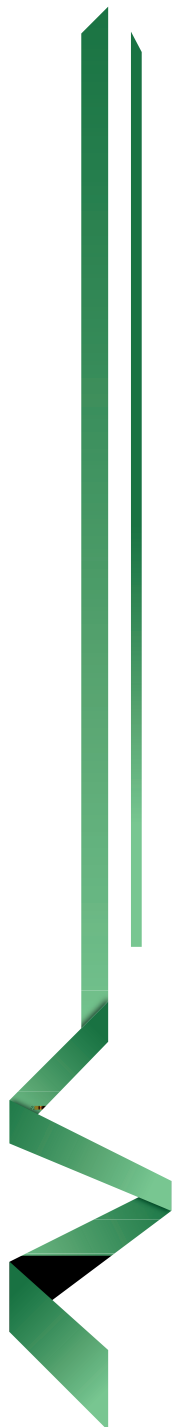


# JVC-8100



Version 1.0







# 目录

1

5.6.11 I G62S2	.....	14
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6	.....	

# 1

## 1.1

7-8100

82000

€

6CL

ICG

## 1.2

	- 7-8100	- 7-8100
	- 82000/8.2.3; <n87 25K	
	- 2I 260-d]b 88F4 2666A <nGC8AA a UI 64; 6	
	- 2I 2.5 <88/GG8	
	- - 1I J; 5 J; 5 - 1I <8A = <8A =	@8G 1920*12004 60<n 4096*21604 24<n
	- 1I A]W]b 1I @bY-ci h Ua d	
	- 2I F>45	
USB		

	-	0 50	10%	85%

# 2

## 2.1

## 2.2

0% 90%

50V<sub>d</sub>

-40 80

10V<sub>d</sub>



12

## 2.3

### 2.3.1

## 2.4

50a a 100a a

(

≠C

0.5J

# 3

## 3.1

19

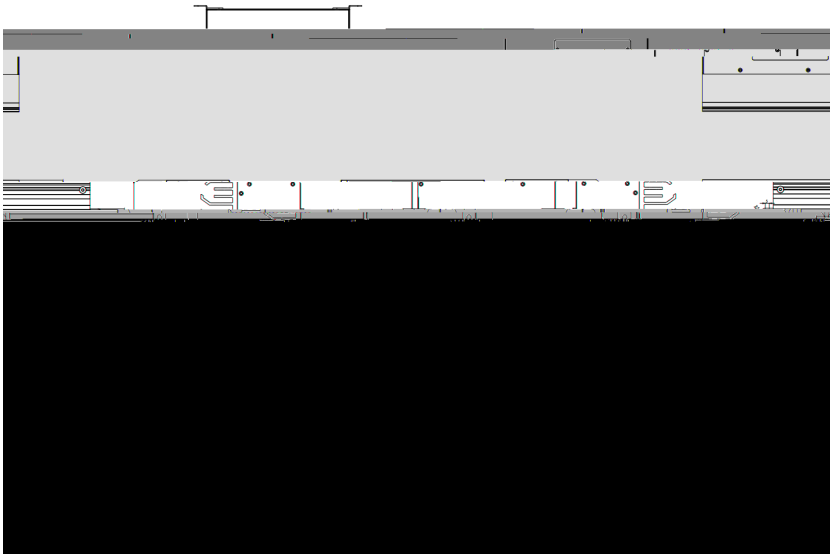
J9G5



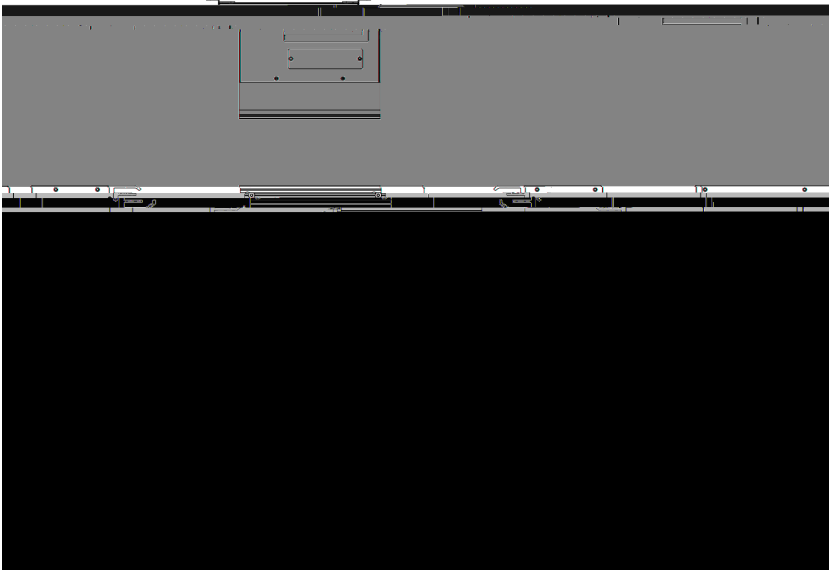
## 3.2

a a

### 3.2.1 JC-8100



### 3.2.2 JC-8100



# 4

## 4.1

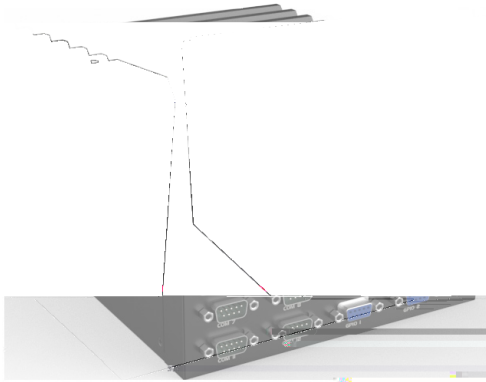
## 4.2

87B	

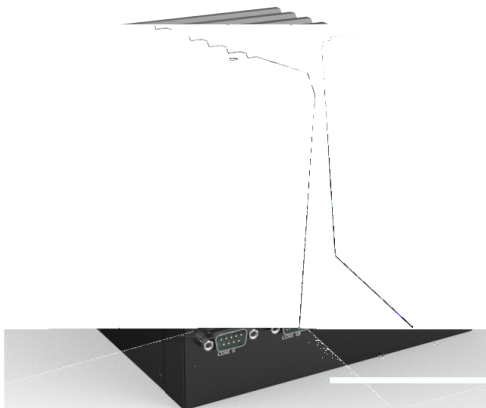
# 5

## 5.1

### 5.1.1 JC-8100

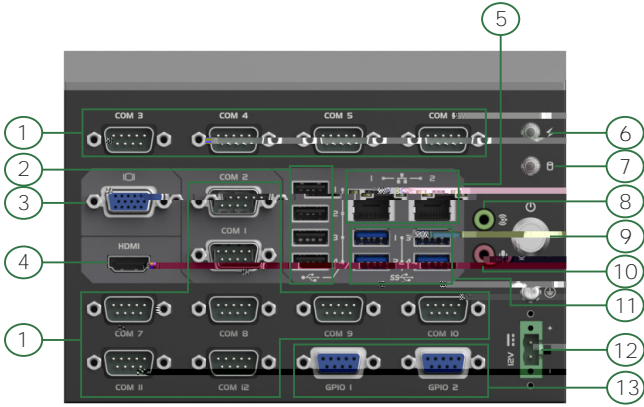


### 5.1.2 JC-8100



5.2 IO

5.2.1 JC-8100 IO

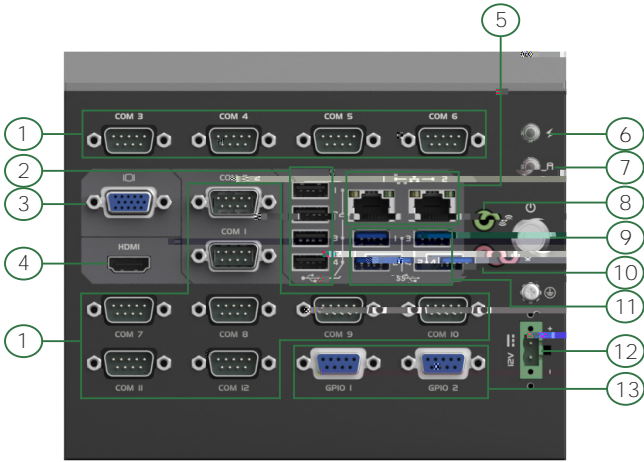


5.2.2 JC-8100 IO



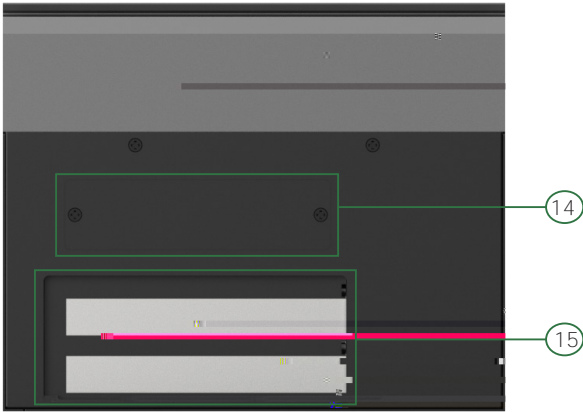
5.2.3 JVC-8100

IO



5.2.4 JVC-8100

IO



1. 7CA 1/2/3/4/5/6/7/8/9/10/11/12
2. I G62.0 I G62.0
3. J; 5 J; 5
4. <8A = <8A =
5. @5B1/2 F>45
6. DK F
7. <88
8. @B9CI H
9. DK F 6i Hrcb
10. A → B
11. I G63.0 I G63.0
12. 87S-B 87
13. ; D€1/2 ; D€
14. Xccf
15. 9I dUbg]cb g'ch

### 5.3

		LED	
DK F	D7		D7
<88			

### 5.4 DC\_IN

	+	87S-B
	-	; B8

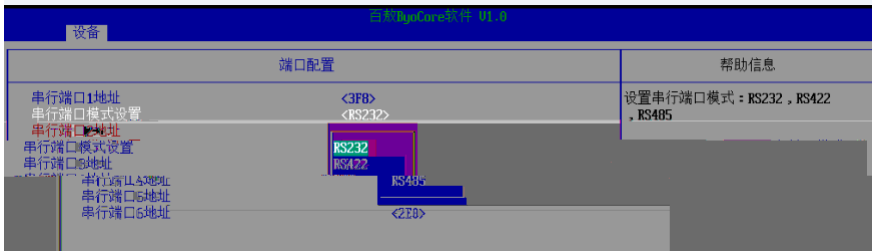
## 5.5 COM1/2

	PIN	RS232	RS422	RS485
	1	878	422HL-	485-
	2	G-B	422HL+	485+
	3	GCI H	422FL+	/
	4	8HF	422FL-	/
	5	; B8	/	/
	6	8GF	/	/
	7	FHG	/	/
	8	7HG	/	/
	9	F=	/	/

7CA 1-2


FG232/422/485

6€G




## 5.6


### 5.6.1 JLVDS1

	1	+J3.3
	2	@8GDck Yf
	3	+J5


### 5.6.2 JLVDS2

	1	B 7
	2	@8GDck Yf
	3	+J12

### 5.6.3 INVT1

	1	+J12
	2	; B 8
	3	6?@S9B
	4	6?@SDK A
	5	+J5

### 5.6.4 LVDS1

	1	@8GDck Yf	2	@8GDck Yf
	3	@8GDck Yf	4	; B 8
	5	; B 8	6	; B 8
	7	@8G1S80B	8	@8G1S80D
	9	@8G1S81B	10	@8G1S81D
	11	@8G1S82B	12	@8G1S82D
	13	; B 8	14	; B 8
	15	@8G1S7@1B	16	@8G1S7@1D
	17	@8G1S83B	18	@8G1S83D
	19	@8G1S84B	20	@8G1S84D
	21	@8G1S85B	22	@8G1S85D
	23	@8G1S86B	24	@8G1S86D
	25	; B 8	26	; B 8
	27	@8G1S7@2B	28	@8G1S7@2D
	29	@8G1S87B	30	@8G1S87D

### 5.6.5 SATA1/2

	1	; B8
	2	G5H5SHLSD
	3	G5H5SHLSB
	4	; B8
	5	G5H5SFLSB
	6	G5H5SF LSD
	7	; B8

### 5.6.6 SATA\_POWER1

### 5.6.7 GPIO1

	1	; D€1S0	2	; D€1S4
	3	; D€1S1	4	; D€1S5
	5	; D€1S2	6	; D€1S6
	7	; D€1S3	8	; D€1S7
	9	DJ77S; D€	10	; B8

### 5.6.8 GPIO2

	1	; D€2S0	2	; D€2S4
	3	; D€2S1	4	; D€2S5
	5	; D€2S2	6	; D€2S6
	7	; D€2S3	8	; D€2S7
	9	DJ77S; D€	10	; B8

### 5.6.9 COM3/4/5/6

	1	7CA SG-B	2	7CA S878
	3	7CA S8HF	4	7CA SGCI H
	5	7CA S8GF	6	; B8
	7	7CA S7HG	8	7CA SFHG
			10	7CA SF =

### 5.6.10 COM7\_14

	1	; B8	2	; B8
	3	7CA 7SGCI H	4	7CA 11SGCI H
	5	7CA 7SG-B	6	7CA 11SG-B
	7	; B8	8	; B8
	9	7CA 8SGCI H	10	7CA 12SGCI H
	11	7CA 8SG-B	12	7CA 12SG-B
	13	; B8	14	; B8
	15	7CA 9SGCI H	16	7CA 13SGCI H
	17	7CA 9SG-B	18	7CA 13SG-B
	19	; B8	20	; B8
	21	7CA 10SGCI H	22	7CA 14SGCI H
	23	7CA 10SG-B	24	7CA 14SG-B
	25	; B8	26	; B8


### 5.6.11 USB2\_2

	1	+J5	2	+J5
	3	I G62S<I 6SB6	4	I G62S<I 6SB5
	5	I G62S<I 6SD6	6	I G62S<I 6SD5
	7	; B8	8	; B8
			10	; B8


### 5.6.12 JFP1

	1	I 5FH1SHL8	2	I 5FH1SFL8
	2			

### 5.6.13 ATX\_IN1

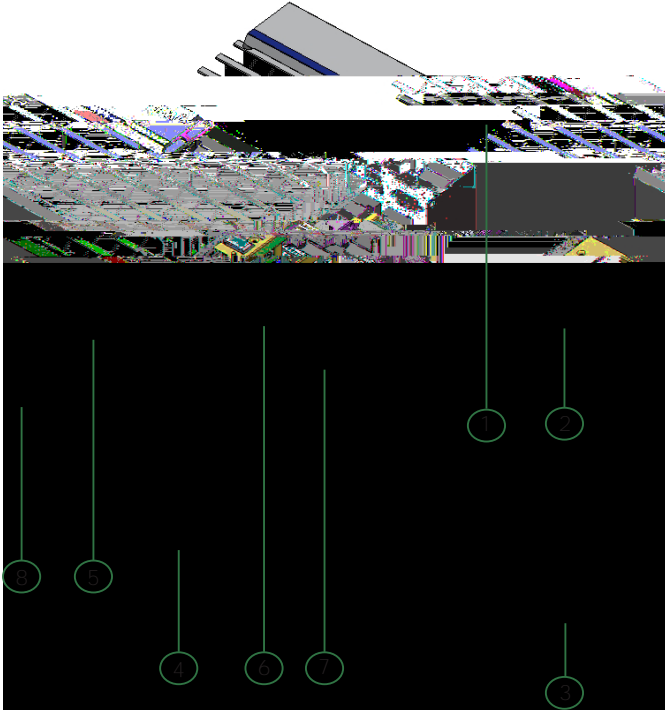
	1	; B8	2	; B8
	3	+12J	4	+12J

### 5.6.14 GPIO\_PWR1

	1	+J5
	2	DJ77S; D€
	3	+J3.3



6.2.2 JC-8100



1		2		3	
4		5		6	
7		8			

6.3



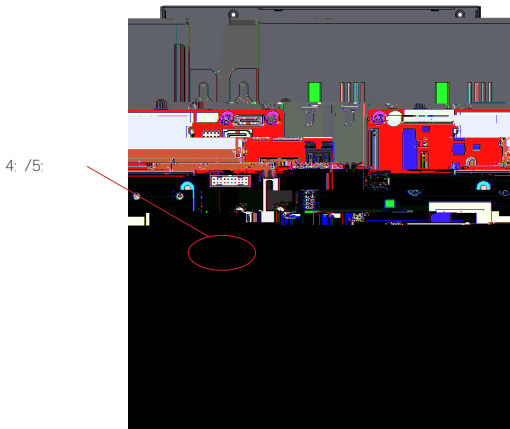
( )

8-A A

- 1.
- 2.
- 3. 8-A A
- 4.

8-A A 30...

6.4 4G/5G

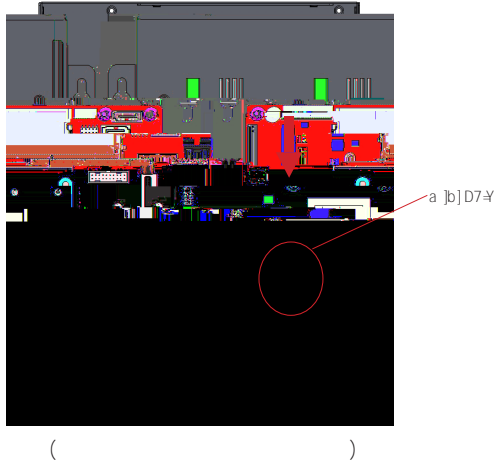


( )

4; /5;

4; /5; 30...

## 6.5 mini PCIe



a ]b]D7⇩

a ]b]D7⇩

30...



### 7.3 BIOS

		6€G
		6€G
		6€G
		6€G

### 7.4



7.5

; A 57





## USB

G€

09bhf2



CPU/SYS

7DI /GMG

CPU/SYS

7DI /GMG

CPU/SYS

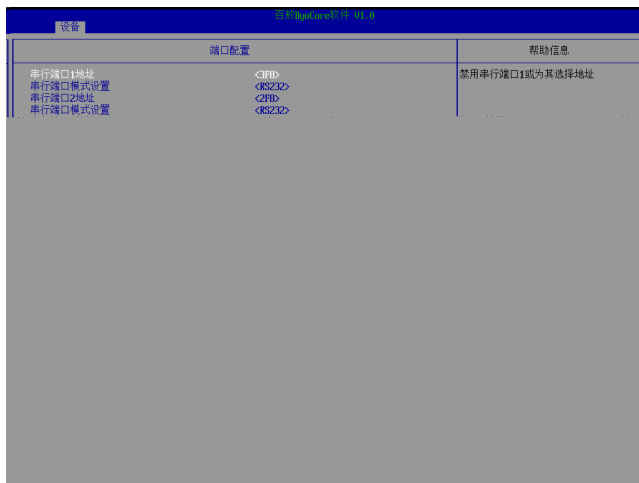
7DI /GMG

CPU/SYS

7DI /GMG

WDT

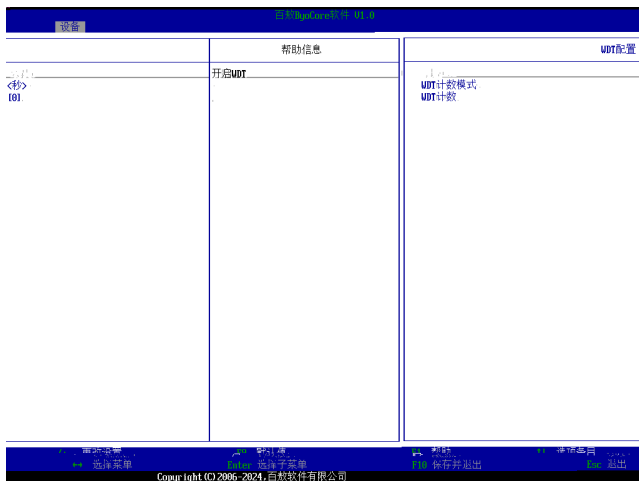
09bHYf2



1/2/3/4/5/6

K 8H

09bhf2



WDT

K 8H

WDT

K 8H

WDT

K 8H

0-255

# 7.6



LVDS

@8G

1 2 3 4 5 6

LVDS

@8G

PCIEX16

D7-9L16

|8|8 |16

PBF

D6:

BIOS

6€G

PCIe

D7-9

@g @ | @g&@

PCIe

D7-9

1286 2566

PCIe

D7-9

2566 5126





09bHyf2



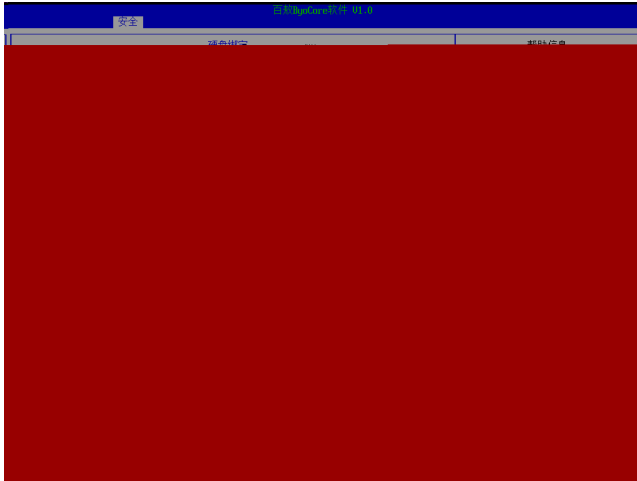
G<5-256 <Ug\ GA 3 <Ug\

09bHyf2





09b4yf2





## 09bHyf2



## 09bHyf2





# 8 WDT

#XY bY Gi dYf-€SbXYI SDc fhOl 29  
#XY bY Gi dYf-€S8UHUSDc fhOl 2:  
#XY bY ; D-€S@BB 8S8 9J 79 Ol 08  
I B H8 8UH8

//U. Gi dYf-€ 7cb [ i fU]cb A cXY  
-€K f]hY8(Gi dYf-€SbXYI SDc fh Ol 87)/  
-€K f]hY8(Gi dYf-€SbXYI SDc fh Ol 87)/

//V. ; D-€, @BB 8  
-€K f]hY8(Gi dYf-€SbXYI SDc fh Ol 07)/  
-€K f]hY8(Gi dYf-€S8UHUSDc fh ; D-€S@BB 8S8 9J 79)/

//W9bUV`YX K 8H  
-€K f]hY8(Gi dYf-€SbXYI SDc fh Ol 30)/  
-€K f]hY8(Gi dYf-€S8UHUSDc fh -€FYUX8(Gi dYf-€S8UHUSDc fh) pOl 01)/

//X. K 8H FY[ ]ghYf Ol : 0 6]rB 1 0  
-€K f]hY8(Gi dYf-€SbXYI SDc fh Ol : 0)/  
//  
-€K f]hY8(Gi dYf-€S8UHUSDc fh -€FYUX8(Gi dYf-€S8UHUSDc fh) pOl 08)/  
//  
// -€K f]hY8(Gi dYf-€S8UHUSDc fh -€FYUX8(Gi dYf-€S8UHUSDc fh) & Ol : 7)/

//Y. K 8H 5 /  
-€K f]hY8(Gi dYf-€SbXYI SDc fh Ol : 1)/  
-€K f]hY8(Gi dYf-€S8UHUSDc fh Ol 5)/

//Z Gi dYf-€ 7cb [ i fU]cb A cXY  
-€K f]hY8(Gi dYf-€SbXYI SDc fh Ol 55)// Gi dYf-€ 7cb [ i fU]cb A cXY Gi dYf-€  
7cb [ i fU]cb A cXY

# 9 GPIO

```

7-8100 ; D€ 27 ;
(1) 9555 27-1
(2) G'Uj Y UXXfYgg 1 0l 20
(3); D€0 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 /
(4); D€1 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 /
(5) 27 7ca a UbX ; D€ 3
U. 6 7 ; D€0 ; D€1X 0-7V]h 1.0-1.7
V]h 0 1 / 1 0
V. 0 1 ; D€0 ; D€1 0-7V]h 1.0-1.7
0 1 ; D€0 ; D€1
W 2 3 ; D€0 ; D€1 0-7V]h 1.0-1.7
2 3 ; D€0 ; D€1
(6) ]2W gi Xc Ud h]bgfU``]2WXYj
(7)

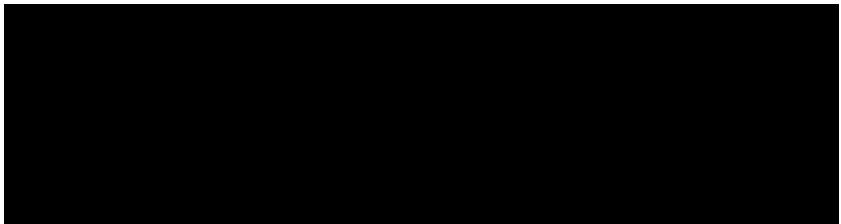
```

```

#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <sys/ioctl.h>
#include <linux/i2c-dev.h>
#include <linux/i2c.h>
#include <unistd.h>

```

(8)  
U.



V.

```
int file;
char filename[20];
// ...
file = open(filename, O_RDWR);
if (file < 0) {
    perror("Failed to open the i2c bus");
    exit(1);
}

if (ioctl(file, I2C_SLAVE, I2C_SLAVE_ADDR) < 0) {
    perror("Failed to acquire bus access talk to slave");
    close(file);
    exit(1);
}
```

W 6 ; D00 ; D00 00

```
unsigned char num = 0;
// ...
config_buffer[2] = {I2C_CMD_WRITE, 0};
// ...
write(file, config_buffer, 2);
if (write(file, output_buffer, 2) != 2) {
    perror("Failed to write to the i2c bus output");
    close(file);
    exit(1);
}
```

X. fYUX jcvh

```
unsigned char read_data;
// ...
if (read(file, &read_data, 1) != 1) {
    perror("Failed to read from the i2c bus");
    close(file);
    exit(1);
}
// ...
unsigned char read_state;
// ...
read(file, &read_state, 1);
```

(9)  
U.

```
#define I2C_DEV "/dev/i2c-1" //设备名  
  
#define I2C_SLAVE_ADDR 0x20 //定义从机地址  
  
#define I2C_SLAVE_ADDR 0x20 //定义从机地址  
#define I2C_REG_CONFIG_PORT0 0xFFE //配置GPIO0的寄存器  
#define I2C_REG_INPUT_PORT0 0x00 //获取GPIO0输出状态的输入寄存器  
  
//获取GPIO0输入状态的输入寄存器  
#define I2C_REG_INPUT_PORT0 0x01
```

V.

```
int file;  
char filename[20];  
snprintf(filename, 19, I2C_DEV);  
file = open(filename, O_RDWR);  
if(file < 0){  
    perror("Failed to open the i2c dev");  
    exit(1);  
}
```

```
if(ioctl(file, I2C_SLAVE, I2C_SLAVE_ADDR) < 0){  
    perror("Failed to acquire bus access and transmit to slave");  
    close(file);  
    exit(1);  
}
```

W                    6                    ; D€0                    ; D€0

```
if(i2c_smbus_write_byte_data(file, I2C_REG_CONFIG_PORT0, 0xFF) < 0){  
    perror("Failed to set configuration for port 0");  
    exit(1);  
}
```

```
int Port0 = i2c_smbus_read_byte_data(file, I2C_REG_INPUT_PORT0);
```

X.                    ; D€                    ; D€0-0.0

```
int main(void){  
    // ...  
}
```

# 10

## 10.1

		/
		1 2 12
		1 2 3
		K ]bdY
= C		D7= €5
	6€G	GYh d 6€G GYh d 6€G
6€G		
6cchXYj ]W bch Zci bX	6€G	6€G (6cch)
I G6	I G6 2.0 I G6 2.0	I G6 2.0
	I G6	1 I G6 @Y[ UWn Gi ddcfh I G6 2 I G6