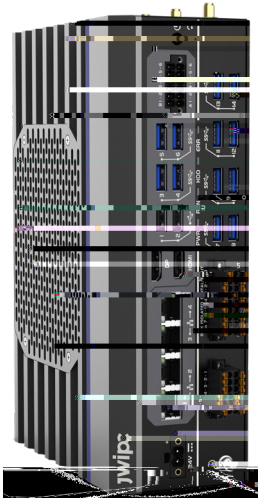
PAS-7513



Version 1.0

ESD



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8 25
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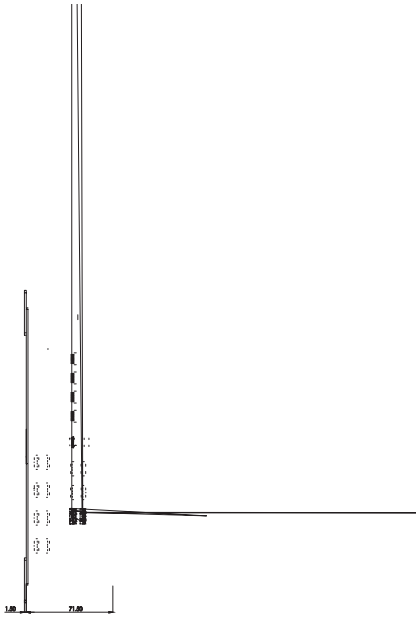
3

3.1

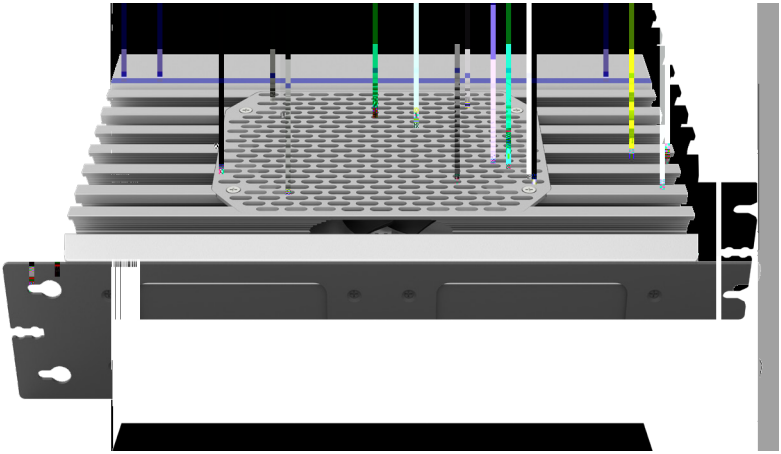
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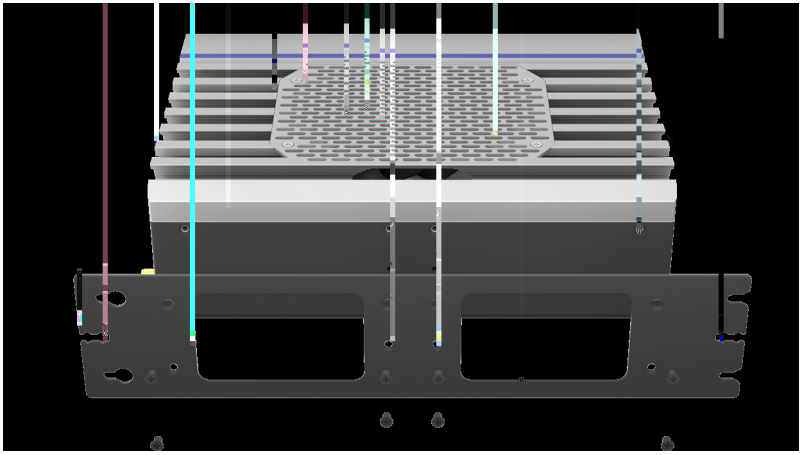
3.2 PAS-7513

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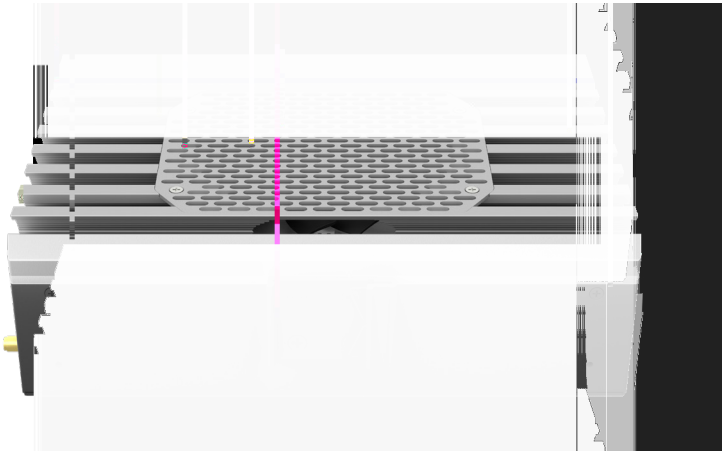
3.3 PAS-7513



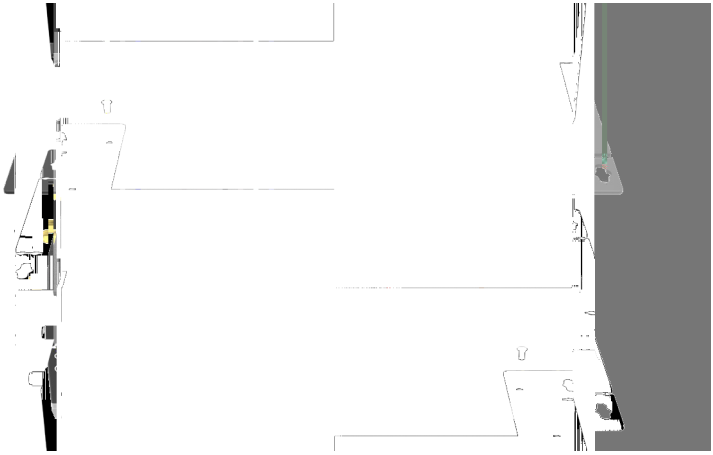


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3.4 PAS-7513

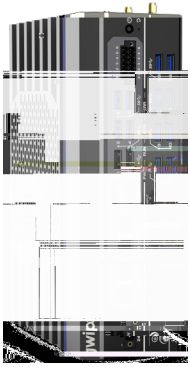


3.5 PAS-7513

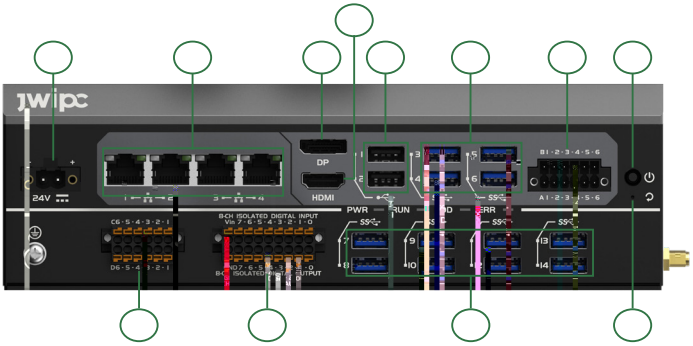


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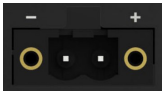
5.1 PAS-7513



5.2 PAS-7513 IO



5.3



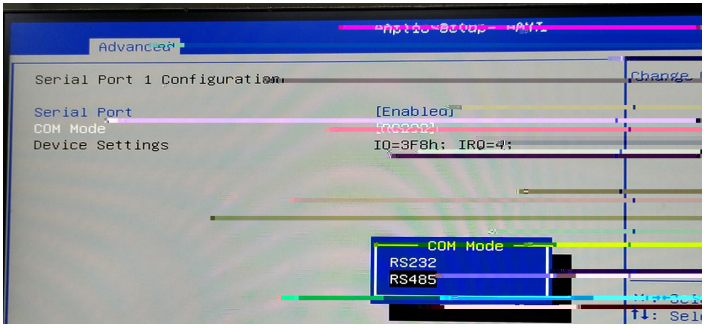
.	AC*
/	AC(

5.4 COM_CAN

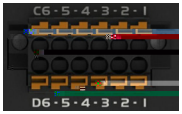


PIN	RS232	RS422	RS485	CAN	
>.	CLM._ACA	/	CLM._152*	/	/
>/	CLM._PFN	/	CLM._152(	/	/
>0	CLM._PLRT	/	/	/	/
>1	/	/	/	/	DNA
>2	/	/	/	/	DNA
>3	/	/	/	/	MTOBTN
B.	CLM/_ACA	/	CLM/_152*	/	/
B/	CLM/_PFN	/	CLM/_152(	/	/
B0	CLM/_PLRT	/	/	/	/
B1	/	/	/	DNA	/
B2	/	/	/	C>N._E	/
B3	/	/	/	C>N._I	/

ч CLM. / / OP/0/ / 152 h BFLP h ч



5.5 COM3_4



PIN	RS232	RS422	RS485	
C.	CLM0_ACA	CLM0_1//TU*	CLM0_152*	/
C/	CLM0_PFN	CLM0_1//TU(	CLM0_152(	/
C0	CLM0_PLRT	CLM0_1//OU(	/	/
C1	CLM0_ATO	CLM0_1//OU*	/	/
C2	/	/	/	DNA
C3	/	/	/	/
A.	CLM1_ACA	CLM1_1//TU*	CLM1_152*	/
A/	CLM1_PFN	CLM1_1//TU(	CLM1_152(	/
A0	CLM1_PLRT	CLM1_1//OU(	/	/
A1	CLM1_ATO	CLM1_1//OU*	/	/
A2	/	/	/	DNA
A3	/	/	/	/

ч CLM0 / 1 OP/0/ / OP1/ / / OP152 ч h ч

RS232	RS485	RS422
GC. (.*/&	GC. (0*1&	GC. (2*3&
GC/ (.*0&	GC/ (0*2&	GC/ (0*2&
GC/ (/*1&	GC/ (1*3&	GC/ (1*3&
GC0 (.*0&	GC0 (0*2&	GC0 (0*2&
GC0 (/*1&	GC0 (1*3&	GC0 (1*3&

RS232	RS485	RS422
GC1 (.*/&	GC1 (0*1&	GC1 (2*3&
GC2 (.*0&	GC2 (0*2&	GC2 (0*2&
GC2 (/*1&	GC2 (1*3&	GC2 (1*3&
GC3 (.*0&	GC0 (0*2&	GC3 (0*2&
GC3 (/*1&	GC0 (1*3&	GC3 (1*3&

5.7

5.7.1 ATX-M1

.*/	>TU MIab
/*0	>T MIab

5.7.2 FAN

.	DNA
/	(2S
0	MTM_FN
1	MTM_LRT

5.7.3 BAT

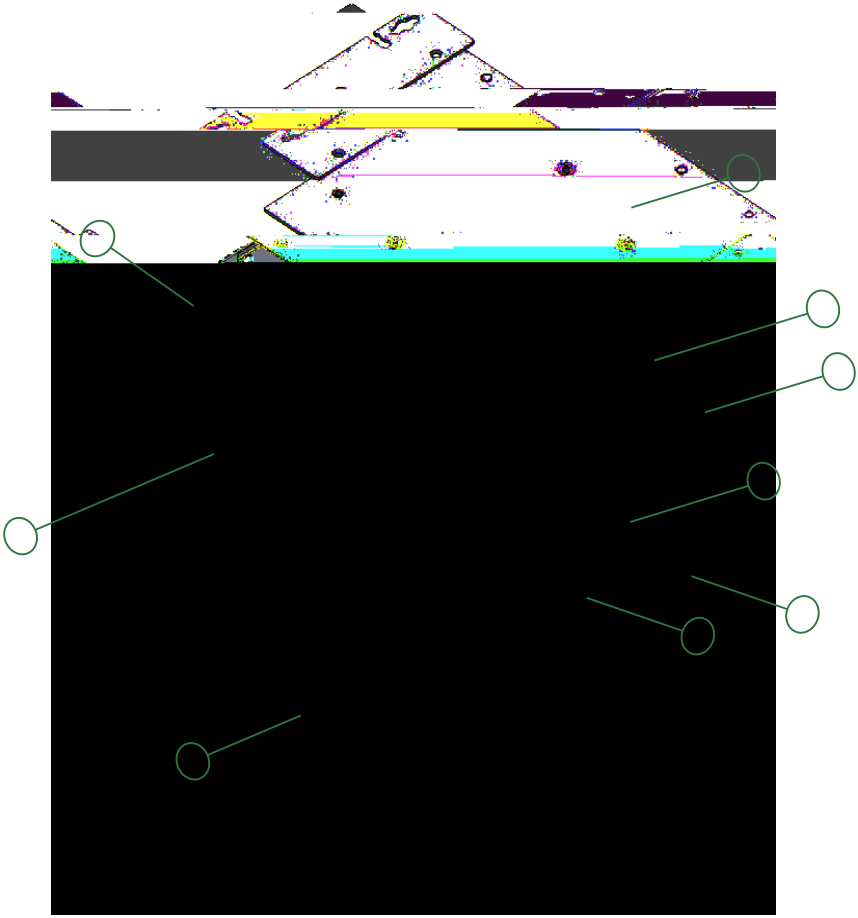
.	B>T(
/	B>T*

5.7.4 PWRBTN

.	(
/	DNA

6

6.1 PAS-7513



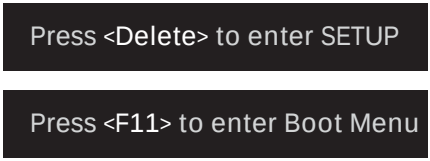
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7 BIOS

7.1 BIOS

7.2 BIOS

7.2.1 BIOS



7.2.2

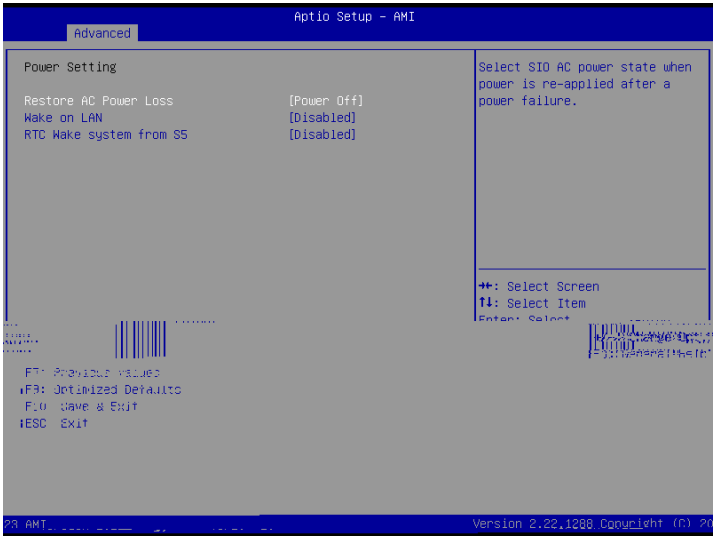
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7.5 Advanced

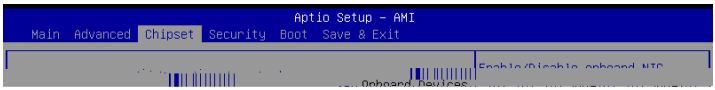
Trusted Computing		
Hardware Monitor		
IT8786 Super IO Con f guration	Prmbo FL	
CPU Con f guration	C MR	
Power Settings		

Serial Port 1/2/3/4/5/6 Configuration

- Mltbo Clk ž dro a t flk 9Bk t bo > G



7.6 Chipset



PCH LAN Controller(I219)

G

ч Bk a _iba)Afp a _iba .

I226_1/2/3

G

ч Afp a _ib)Bk a _ib .

Lan BootROM

OLM G

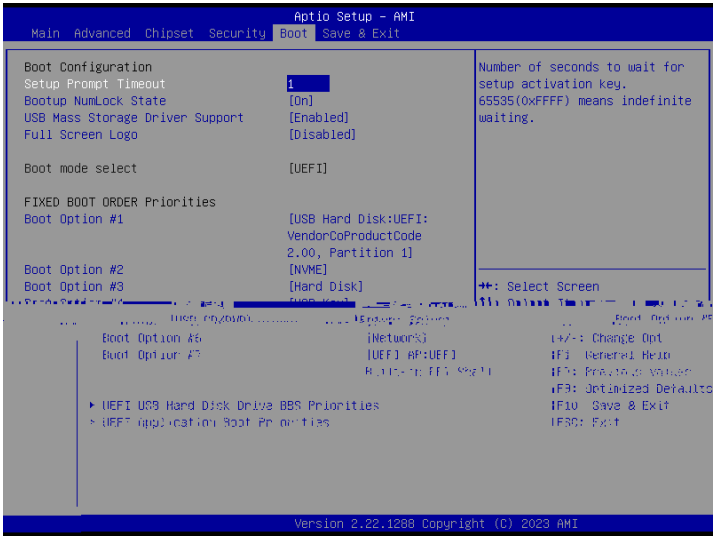
ч Afp a _ib)Bk a _ib .

Primary Display

Hυ G

ч >r t l)Bk a _iba)Afp a _iba .

7.8 Boot



Boot NumLock State

N r m Il c h G

ч Lk)L ƀ .

USB Mass Storage Driver Support

RP B G

ч Afp a _ib)Bk a _ib .

Full Screen Logo

Ildl G

ч Afp a _ib)Bk a _ib .

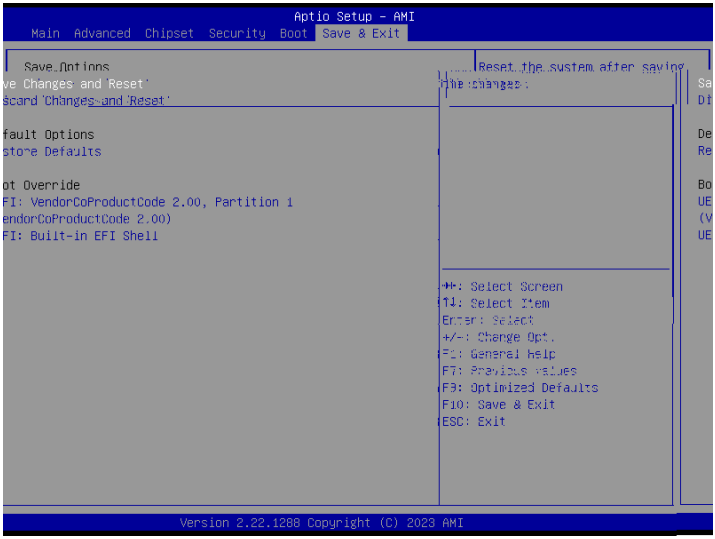
Boot Option #1-7

G

ч N SMB)E a oa Afph)RP B E a oa Afph)RP B hbv)RP B C A / ASA) N b t tloh)RI

B rfi t *fk BCF Pebii .

7.9 Save&Exit



Save Changes and Reset

G

Discard Changes and Reset

G

Restore Defaults

G

8

8.1 WDT

TAT PFL IAN ABS4) -U4/ BFT4 . h-
-UC0 h -U4/ BFT4 . h -UC0 -U/- 0/

8.1.1

```
    / / bk t bo  f t b  c lk ž d
  FlTof t b5 ( PflFkabuMlo t )-u54&8
  FlTof t b5 ( PflFkabuMlo t )-u-.&8
  FlTof t b5 ( PflFkabuMlo t )-u22&8
  FlTof t b5 ( PflFkabuMlo t )-u22&8

    / / pbib c t  ta t c eald  absf c b
  FlTof t b5 ( PflFkabuMlo t )-u-4&8
  FlTof t b5 ( PflA a t  a Mlo t )-u-4&8
  FlTof t b5 ( PflFkabuMlo t )  -uC.&8
   t bmm _ a a t a  =  FlOb a a5 ( PflA a t  a Mlo t &8
   t bmm _ a a t a  #=  -u B B8
   t bmm _ a a t a  y=  -u118
  FlTof t b5 ( PflFkabuMlo t )  -uC.&8
  FlTof t b5 ( PflA a t  a Mlo t )  t bmm _ a a t a&8

    / / M>M  t l  DM.-
  FlTof t b5 ( PflFkabuMlo t )  -uC1&8
   t bmm _ a a t a  =  FlOb a a5 ( PflA a t  a Mlo t &8
   t bmm _ a a t a  #=  -uC-8
   t bmm _ a a t a  y=  -u-58
  FlTof t b5 ( PflFkabuMlo t )  -uC1&8
    / / ta t  p t a o t
   fc ( f t b _ ta t c e _ ald _ bibmbk t *> ta t _ lmbo a t lo= =PT>OT _ TAT &x

    / / c ib a o  p t a t rp
   FlTof t b5 ( PflFkabuMlo t )  -u4.&8
    t bmm _ a a t a  =  FlOb a a5 ( PflA a t  a Mlo t &8
    t bmm _ a a t a  #=  -ucb8
   FlTof t b5 ( PflFkabuMlo t )  -u4.&8
   FlTof t b5 ( PflA a t  a Mlo t )  t bmm _ a a t a&8

FlTof t b5 ( PflFkabuMlo t )  -u4/&8
 t bmm _ a a t a  =  FlOb a a5 ( PflA a t  a Mlo t &8

 t bmm _ a a t a  #=  -u.c8
 t bmm _ a a t a  y=  -uC-8
 / / mfkr t b  lo  pb c lka  BFT4 .*> pb c lka  -*> mfkr t b
fc ( f t b _ ta t c e _ ald _ bibmbk t *> ta t _ rkf t  = =  .&x
 t bmm _ a a t a  #=  -u4c8
 }

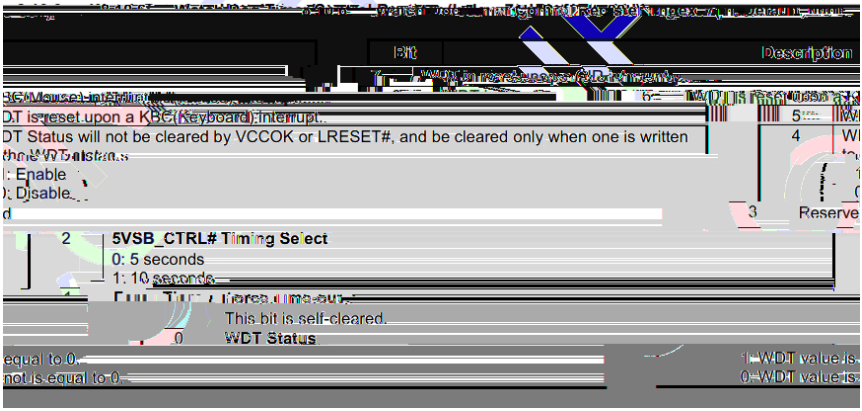
FlTof t b5 ( PflFkabuMlo t )  -u4/&8
FlTof t b5 ( PflA a t  a Mlo t )  t bmm _ a a t a&8
```

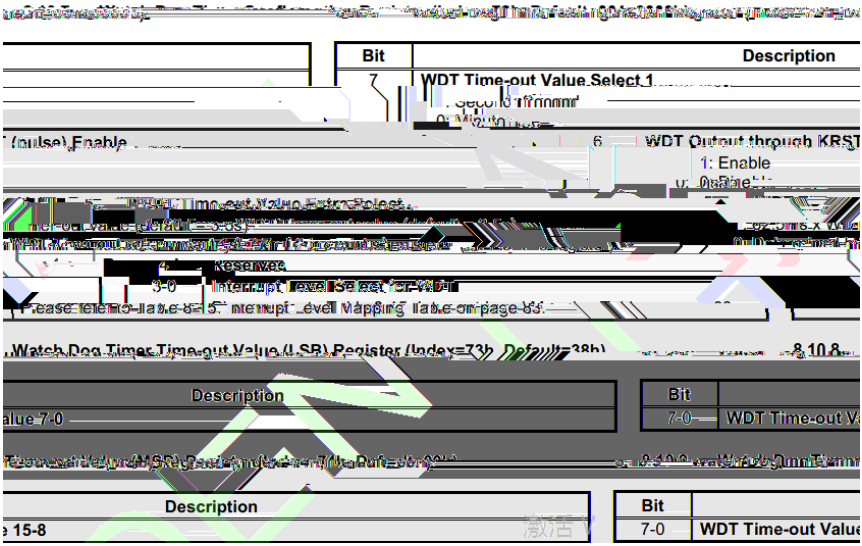
```
        / / C i b a o   P t a t r p
        F I T o f t b 5 ( P f l F k a b u M l o t )   - u 4 . & 8
        t b m m _ a a t a   =   F I O b a a 5 ( P f l A a t a M l o t & 8
        t b m m _ a a t a   # =   - u c b 8
        F I T o f t b 5 ( P f l F k a b u M l o t )   - u 4 . & 8
        F I T o f t b 5 ( P f l A a t a M l o t )   t b m m _ a a t a & 8

        / / C l r k t
        F I T o f t b 5 ( P f l F k a b u M l o t )   - u 4 1 & 8
        F I T o f t b 5 ( P f l A a t a M l o t )   - u - & 8
        F I T o f t b 5 ( P f l F k a b u M l o t )   - u 4 0 & 8
        F I T o f t b 5 ( P f l A a t a M l o t )   f t b _ t a t c e _ a l d _ b i b m b k t * > t a t _ t f m b & 8
                    / / m o f k t c ( " t a t   p t a o t 7 % u Y k " ) F I O b a a 5 ( a a t a & & 8
    }
```

8.1.2

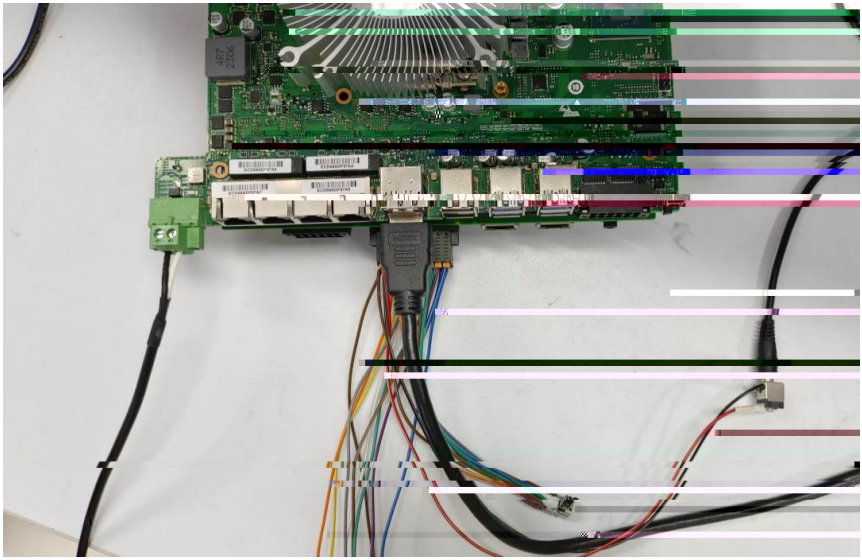
```
        / / t a t   p t l m
        f c ( f t b _ t a t c e _ a l d _ b i b m b k t * > t a t _ l m b o a t l o = = P T L M _ T A T & x
                F I T o f t b 5 ( P f l F k a b u M l o t )   - u 4 1 & 8
                F I T o f t b 5 ( P f l A a t a M l o t )   - u - & 8
                F I T o f t b 5 ( P f l F k a b u M l o t )   - u 4 0 & 8
                F I T o f t b 5 ( P f l A a t a M l o t )   - u - & 8
            }
```



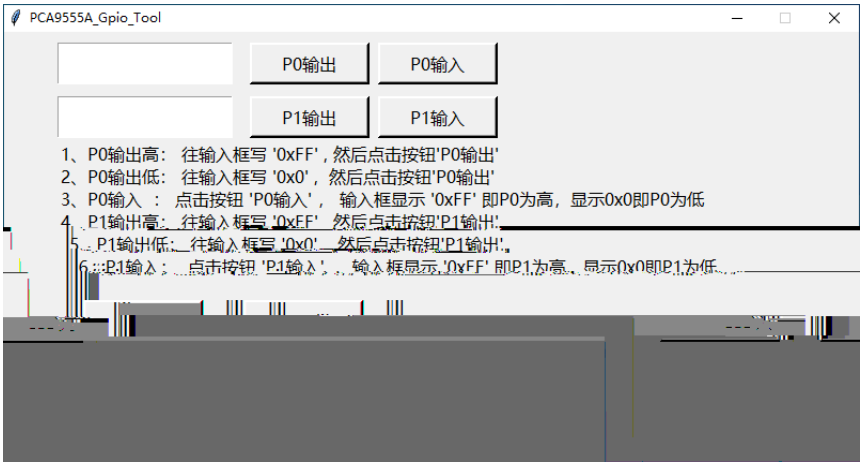


8.2 GPIO

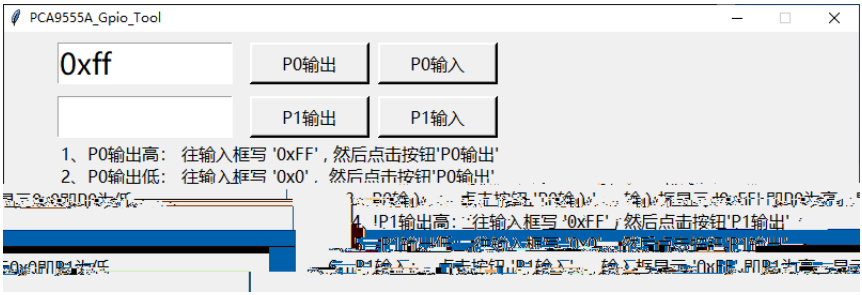
.Hu h g 2S ŸIBA ÿ g Ÿ2S ./S /1S ÿ



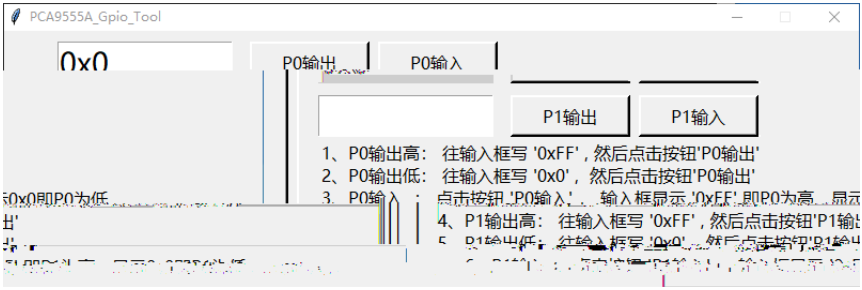
/Hυ MC>6222>_Dmfl_TIli



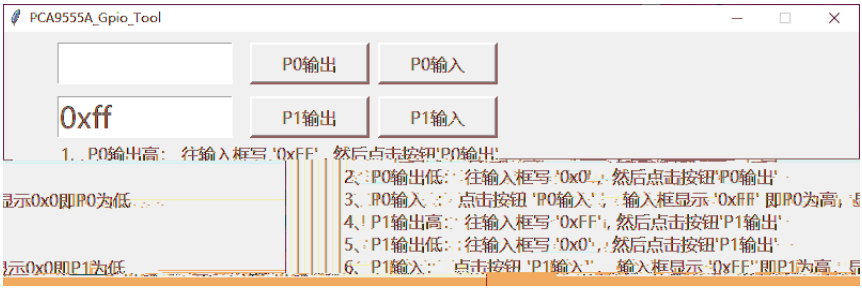
0Hυ Ÿ ÿ h ⊲M- d ɢ h -uƀ ɢ



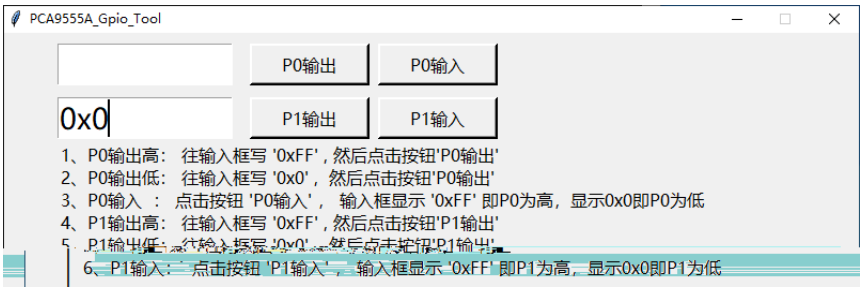
1Hυ Ÿ ÿ h ⊲M- d ɢ h -u- ɢ



2Hυ ⅆM. ⅆ h -uþ Ÿ ⅆM. ⅆ h -uþ h ⅆM. ⅆ ɢ ÿ
h ɢ



3Hυ ⅆM. ⅆ h -u- h ⅆM. ⅆ ɢ h ɢ



P a mmib c lab ч MC>6222> _ Dmfl _ Tlli _ IBA _ Moldo a m _ plro c b _ c lab

9

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		ɢ h
		.Ң /Ң 0Ң h
		ÿ ÿ Ң
		ÿ Tfkmb ÿ h h
FҢL h		MCF FP> Ң Ң h
	BFLP	h BFLP Pb t rm h BFLP Pb t rm
BFLP h		
Bll t absf c b kl t h clrka	BFLP h	BFLP ԁ d (Bll t & h
RPB	RPB / . - h RPB / . -	RPB / . -
	RPB	.Ң RPB lbd a c v Prmmlo t ÿ RPB ÿ /Ң h RPB