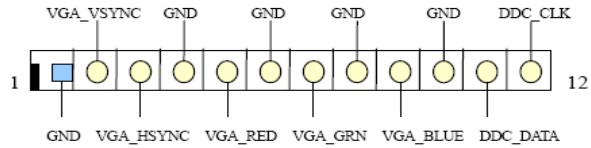


User's Manual

1. VGA Pin Port: VGA_H

This product offers 1*12Pin VGA port (Pin Pitch=2.0mm)



Pin	Definition	Pin	Definition
1	GND	2	VGA_VSYNC (Field Synchronize)
3	VGA_HSYNC (Line Synchronize)	4	GND
5	VGA_RED (Red)	6	GND
7	VGA_GRN (Blue)	8	GND
9	VGA_BLUE (Green)	10	GND
11	DDC_DATA (Data)	12	DDC_CLK (Clock)

2. 12V power input interface: (ATX 12)

12V power outlet provides the power for CPU, if not connected to the 12V power outlet, the product will not start properly. Before inserting the power connector, first make sure the power supply of the power supply is turned off and all devices are properly installed. Power outlet definition as below:

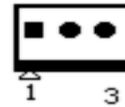


ATX_12V

Pin	Definition
1	GND
2	GND
3	+12V
4	+12V

3. System Fan power outlet: SYS_FAN

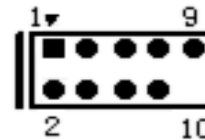
This product offers 2pcs 1*3Pin SYS_FAN port (Pin Patch =2.54mm) , pin definition as below:



Pin	Definition
1	GND
2	+12V
3	FAN Speed detection

4. Front Panel Interface: F_PANEL

This product offers 1pc 2*5Pin F_PANEL port (Pin Patch =2.54mm) , Providing computer host power switch, reset switch, and HDD LED power indicator.



Pin	Definition	Pin	Definition
1	HD LED+ (HD+)	2	Power LED+
3	HD LED- (HD-)	4	Power LED-
5	GND	6	POWER_SW (Switch)
7	RESET_SW (Reset)	8	GND
9	GND		

5. Automatic power-on jumper Port: AUTO_ON

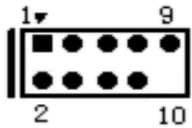
This product offers 1pc 1*3Pin AUTO_ON (Pin Patch =2.54mm) , pin definition as below:



Pin	Definition
1_2	Normal
2_3	Auto Power on

6. General GPIO Interface: GPIO

This product offers 1pc 1*3Pin SPDIF port (Pin Patch =2.54mm) , pin definition as below:



Pin	Definition	Pin	Definition
1	3.3V	2	GND
3	5V	4	GND
5	12V	6	GND
7	GPIO	8	GPIO
9	GND		NC

7. Remove the jumper CLR_CMOS:

This product offers 1pc 1*3Pin CLR_CMOS port,

CMOS powered by button batteries. Clear CMOS will lead to restore factory settings, the steps : (1) Turn off the computer, disconnect the power supply; (2) short pin 1-10 seconds; (3) Open the computer; (4) Start Following the prompts to enter the BIOS setting, reload optimized defaults; (5) Save and exit.

pin definition as below:



Pin	Definition
1_2	Normal (Default)
2_3	Clear CMOS (清除CMOS)

8. SPDIF Output port:

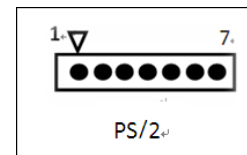
This product offers 1pc 1*3Pin SPDIF port (Pin Patch =2.54mm) , pin definition as below:



Pin	Definition
1	SPDIF_OUT
2	+5V
3	GND

9. Mouse Port (PS/2) Port: PS/2

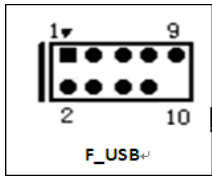
This product offers 1pc 1*7Pin PS/2 port (Pin Patch =2.0mm) , pin definition as below:



Pin	Definition	Pin	Definition
1	KB_DATA	2	KB_CLK
3	GND	4	MS_DATA
5	MS_CLK	6	GND
7	+V5S		

10. F_USB PORT (USB2.0 socket): F_USB

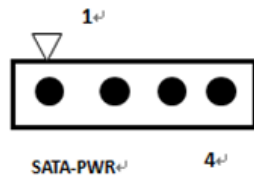
The product offer two 2*5Pin F_USB ports (pin distance=2.54mm), pin number definition as below:



Pin No.	Definition	Pin No.	Definition
1	VCC	2	VCC
3	USB_PN	4	USB_PN
5	USB_PP	6	USB_PP
7	GND	8	GND
9	NA		

11. SATA_PWR PORT :

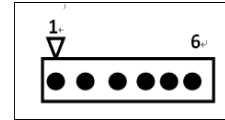
The product offer one 1*4Pin SATA_PWR ports (pin interface=2.54mm), pin number definition as below:



Pin No.	Definition
1	+5V
2	GND
3	GND
4	+12V

12. LVDS Backlight control head PORT: INVERT

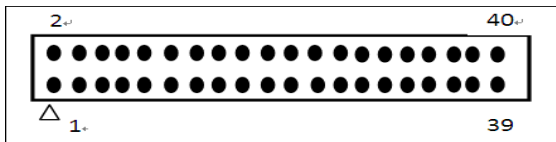
The product offer one 1*6Pin INVERT port(pin distance=2.0mm), pin number definition as below:



Pin No.	Definition	Pin No.	Definition
1	+ 12V	2	+12V
3	LVDS_BKL_EN (Back light switch)	4	BKL_PWM (Back light brightness)
5	GND	6	GND

13. COM PORT:

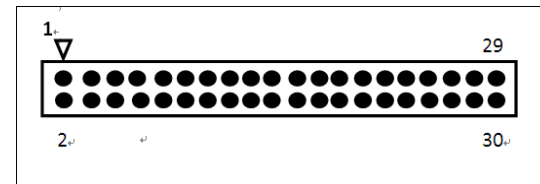
The product offer one 2*20PIN COM port(pin distance=2.0mm), pin number definition as below:



Pin No.	Definition	Pin No.	Definition
1	DCD	2	RXD
3	TXD	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	
11	DCD	12	RXD
13	TXD	14	DTR
15	GND	16	DSR
17	RTS	18	CTS
19	RI	20	
21	DCD/5V/12V	22	RXD
23	TXD	24	DTR
25	GND	26	DSR
27	RTS	28	CTS
29	RI	30	
31	DCD	32	RXD
33	TXD	34	DTR
35	GND	36	DSR
37	RTS	38	CTS
39	RI	40	

14. LVDS PORT:

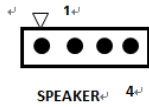
The product offer one 2*15Pin LVDS port(pin distance=2.0mm), pin number definition as below:



Pin No.	Definition	Pin No.	Definition	Pin No.	Definition
1	VCC	2	VCC	3	VCC
4	GND	5	GND	6	GND
7	LVDS_A_DATA0_	8	LVDS_A_DATA0+	9	LVDS_A_DATA1_
10	LVDS_A_DATA1+	11	LVDS_A_DATA2_	12	LVDS_A_DATA2+
13	GND	14	GND	15	LVDS_A_CLK_
16	LVDS_A_CLK+	17	LVDS_A_DATA3_	18	LVDS_A_DATA3+
19	LVDS_B_DATA0_	20	LVDS_B_DATA0+	21	LVDS_B_DATA1_
22	LVDS_B_DATA1+	23	LVDS_B_DATA2_	24	LVDS_B_DATA2+
25	GND	26	GND	27	LVDS_B_CLK_
28	LVDS_B_CLK+	29	LVDS_B_DATA3_	30	LVDS_B_DATA3+

15. SPEAKER SPEACK:

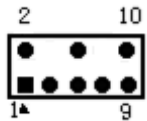
The product offer one 1*4Pin SPEAKER port(pin distance=2.0mm), pin number definition as below:



Pin No.	Definition
1	Left speaker _
2	Left speaker +
3	Right speaker _
4	Right speaker +

16. Front Audio Port: F_AUDIO

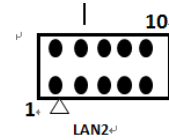
The product offer one 2*5Pin F_AUDIO port (pin distance=2.54mm),



Pin No.	Definition	Pin No.	Definition
1	FP_MIC_L	2	GND
3	FP_MIC_R		
5	FP_OUT_R	6	NC
7	GND		
9	FP_OUT_L	10	NC

17. LAN PORT:

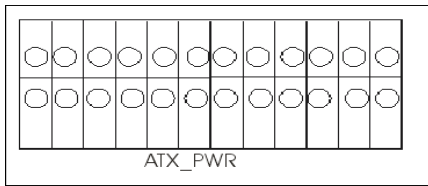
The product offer one 2*5Pin LAN Port (pin distance=2.54mm), pin number definition as below:



Pin No.	Definition	Pin No.	Definition
1	TX0+	2	TX0_
3	TX1+	4	TX1_
5	TX2+	6	TX2_
7	TX3+	8	TX3_
9	GND	10	GND

18. ATX_PWR PORT:

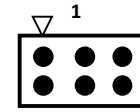
The product offer one 2*12pin ATX_PWR Port, pin number definition as below:



Pin No.	Definition	Pin No.	Definition
1	3.3V	2	3.3V
3	GND	4	5V
5	GND	6	5V
7	GND	8	PWR_GD
9	5V_SB	10	12V
11	12V	12	3.3V
13	3.3V	14	_12V
15	GND	16	PS_ON
17	GND	18	GND
19	GND	20	NC
21	5V	22	5V
23	5V	24	GND

19. COM2_FUN Function Select port: COM2_FUN

The product offer one 2*3Pin COM2_FUN port (pin distance=2.54mm), pin number definition as below:

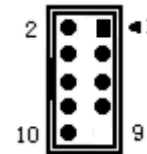


COM2-FUN 6

Pin No.	Definition
1_2	+5V
3_4	DCD
5_6(Default)	+12V

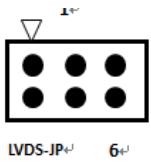
20. COM (Serial slots)

The product offer one 2*5Pin COM slots (pin distance=2.54mm), support RS_232 mode, pin number definition as below:



21. LVDS_JP PORT:

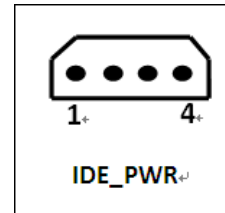
The product offer one 2*3Pin LVDS_JP port (pin distance=2.54mm), pin number definition as below:



Pin No.	Definition
1_2	+ 3.3V
3_4	+ 5V
5_6	+ 12V

22. IDE POWER PORT: IDE_PWR

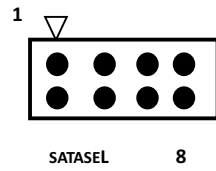
The product offer one 1*4Pin IDE_PWR port, pin number definition as below:



Pin No.	Definition	Pin No.	Definition
1	12V	2	GND
3	GND	4	5V

23. SATA_SEL Interface

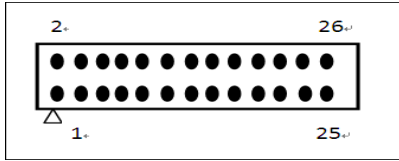
Provide 1pcs 2*4pin SATA_SEL interface (pin gap: 2.54mm), Definition of the Pin as below :



Pin NO.	Definition	PIN NO.	Definition
1	SSD_RX+	2	SATA_RX+
3	SSD_RX_	4	SATA_RX_
5	SSD_TX_	6	SATA_TX_
7	SSD_TX+	8	SATA_TX+

24. Printer interface PRINT :

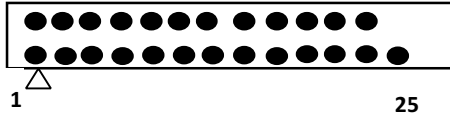
Provide 1pcs 2*13Pin PRINT interface (pin gap =2.54mm), Definition of the pins as below :



PIN NO.	Definition	PIN NO.	Definition
1	STB	2	AFD
3	PD0	4	ERR
5	PD1	6	INIT
7	PD2	8	SLIN
9	PD3	10	GND
11	PD4	12	GND
13	PD5	14	GND
15	PD6	16	GND
17	PD7	18	GND
19	ACK	20	GND
21	BUSY	22	GND
23	PE	24	GND
25	SLCT	26	NC

25. LAN_LED Interface:

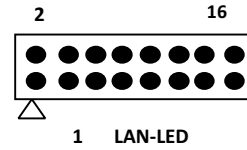
Provide 1pcs2*13Pin LAN_LED interface (Pin Gap =2.54mm),Definition of the pins as below :



PIN NO.	Definition	PIN NO.	Definition
1	PWR	2	LAN1_ACT
3	PWR	4	LAN2_ACT
5	PWR	6	LAN3_ACT
7	PWR	8	LAN4_ACT
9	PWR	10	LAN5_ACT
11	PWR	12	LAN6_ACT
13	PWR	14	LAN1_SPD
15	PWR	16	LAN2_SPD
17	PWR	18	LAN3_SPD
19	PWR	20	LAN4_SPD
21	PWR	22	LAN5_SPD
23	PWR	24	LAN6_SPD
25	NC		

26. LAN_LED Interface:

Provide 1pcs 2*8Pin LAN_LED interface (pin gap =2.0mm), Definition of the pins as below :



PIN NO.	Definition	PIN NO.	Definition
1	+3.3A	2	LAN1_ACT
3	+3.3A	4	LAN2_ACT
5	+3.3A	6	LAN3_ACT
7	+3.3A	8	LAN4_ACT
9	+3.3A	10	LAN1_SPD
11	+3.3A	12	LAN2_SPD
13	+3.3A	14	LAN3_SPD
15	+3.3A	16	LAN4_SPD

27. CIR (Red ray interface):

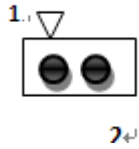
Provide 1pcs 1*3Pin CIR interface (Pin gap=2.54mm), Definition of the pins as below:



PIN NO.	Definition
1	5V
2	CIR
3	GND

28. Min output (IN_MIC) :

Provide 1pcs 1*2Pin IN_MIC output (pin gap =2.0mm), Definition of the pin as below:

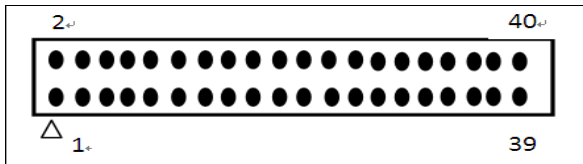


PIN NO.	Definition
1	MIC_IN
2	GND

29. LAN_LED:

Provide 1pcs 2*20Pin LAN_LED interface (pin gap =2.0mm), Definition of the pins as below

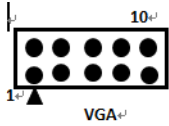
:



PIN NO .	Definition	PIN NO.	Definition
1	3.3V	2	LA1_ACT
3	3.3V	4	LA2_ACT
5	3.3V	6	LA3_ACT
7	3.3V	8	LA4_ACT
9	3.3V	10	LA5_ACT
11	3.3V	12	LA5_ACT
13	3.3V	14	LA7_ACT
15	3.3V	16	LA8_ACT
17	NC	18	NC
19	NC	20	NC
21	3.3V	22	LAN1_LINK
23	3.3V	24	LAN1_LINK
25	3.3V	26	LAN1_LINK
27	3.3V	28	LAN1_LINK
29	3.3V	30	LAN1_LINK
31	3.3V	32	LAN1_LINK
33	3.3V	34	LAN1_LINK
35	3.3V	36	LAN1_LINK
37	NC	38	NC
39	NC	40	NC

30. VGA_H Interface :

Provide 1pcs 2*5Pin VGA H Interface (pin gap =2.0mm) , Definition of the pins as below :

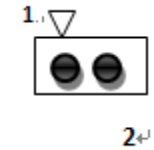


PIN NO.	Definition	PIN NO.	Definition
1	CRT_RED	2	GND
3	CRT_GREEN	4	GND
5	CRT_BLUE	6	GND
7	CRT_H_SYNC	8	CRT_DDCDATA
9	CRF_V_SYNC	10	CRT_DDCCLR

31. SATA_PWR interface:

Provide 1pcs 1*2Pin SATA_PWR interface (pin gap =2.54mm), Definition of the pins as below:

PIN NO.	Definition
1	+ 5V
2	GND
PIN NO.	Definition
1	+ 5V
2	GND



32. LVDS_PWR Interface:

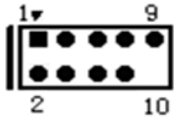
Provide 1pcs 1*3Pin LVDS_PWR interface (pin gap =2.54mm), Definition of the pins as below:



PIN NO.	Definition
1_2	+5V
2_3	+3.3V

33. COM interface:

Provide 1pcs 2*5Pin COM interface (pin gap =2.0mm), definition as below:



PIN NO.	Definit ion	PIN NO.	Definition
1	DCD	2	RXD
3	TXD	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI		

34. J485E Interface:

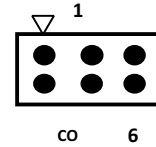
Provide 1pcs 2*2Pin J485E interface (pin gap=2.54mm) , Definition as below:



PIN NO.	Definitio n	PIN NO.	Definition
1	485+	2	485-
3	GND	4	GND

35. COM2_SET Interface :

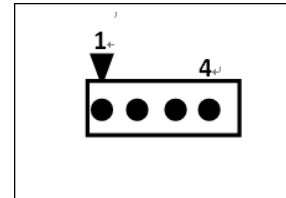
Provide 1pcs 2*3Pin COM2_SET interface (pin gap 2.54mm), definition as below:



PIN NO.	Definition
1_2	Pin1:+12V
3_4	Pin1:+5V
5_6(Default)	Pin1:DCD

36. CPU_FAN (CPU 风扇接口) :

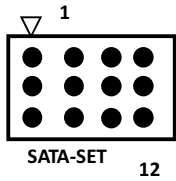
本产品提供1个1*4Pin CPU_FAN接口 (脚距=2.54mm), 管脚定义如下:



管脚	定义
1	GND
2	+12V
3	SENSE
4	CONTROL

37.SATA_SET PORT:

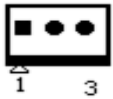
The product offer one 3*4Pin SATA_SET port (pin distance=2.54mm), pin number definition as below:



Pin No.	Definition
1_5, 2_6, 3_7, 4_8	MSATA
5_9, 6_10, 7_11, 8_12	CF

38.KB_VCC keyboard power supply port:

The product offer one 1*3Pin KB_VCC keyboard power supply port (pin distance=2.54mm), pin number definition as below:



Pin No.	Definition
1-2	VCC5
2-3	5VSB

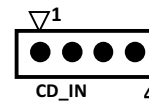
39.VGA_VCC DISPLAY PIN PORT:

The product offer one 1*3Pin VGA_VCC PIN POET (pin distance=2.54mm), pin number definition as below:

Pin No.	Definition	Pin No.	Definition
1_2	VCC5V	2_3	NC

40.CD_IN Input pins Port:

The product offer one 1*4Pin CD_IN Input pin port (pin distance=2.54mm), pin number definition as below:

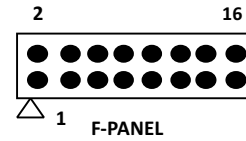


Pin No.	Definition
1	CD_INL
2	GND
3	GND
4	CD_INR

41. BIOS_WP/BIOS Write-protect pin Definition:

The product offer one 1*3Pin BIOS_WP Port(Distance=2.54mm),pin number definition as below:

Pin No.	Definition
1-2	BIOS Write-protect
2-3	No protect



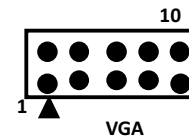
Pin No.	Definition	Pin No.	Definition
1	HDLED+	2	VCC5
3	HDLED_	4	
5		6	SPEACK
7	P_SWIN	8	SPEACK
9	GND	10	
11		12	PWRLED+
13	RESET_BTN	14	PWRLED_
15	GND	16	GND

42. Front panel PORT F_PANEL:

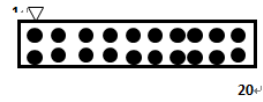
The product offer one 2*8Pin F_PANEL PORT (Pin distance =2.54mm), pc box power switch,Reset switch, HDD indicator all can be connected with this pin. pin number definition as below:

43. VGA_H PORT:

The product offer one 2*5Pin VGA PIN PORT (PIN Distance=2.0mm) , pin number definition as below:



管脚	定义	Pin No.	Definition
1	CRT_RED	2	GND
3	CRT_GREEN	4	GND
5	CRT_BLUE	6	GND
7	CRT_H_SYNC	8	CRT_DDCDATA
9	CRF_V_SYNC	10	CRT_DDCCLR



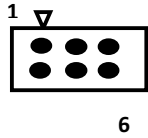
44. LVDS PORT:

The product offer one 2*10Pin LVDS PIN PORT (pin distance=2.0mm) , pin number definition as below:

Pin	Definition	Pin No.	Definition
1	LVDS Power	2	LVDS power
3	LVDS Power	4	GND
5	GND	6	GND
7	signal Line 0+	8	Signal line 0-
9	signal Line 1+	10	Signal line 1-
11	signal Line 2+	12	Signal line 2-
13	GND	14	GND
15	Clock ++	16	Clock -
17	NC	18	NC
19	DDC data	20	DDC data

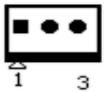
45. LVDS_PWR PORT:

The product offer one 2*3Pin LVDS_PWR PORT (Pin distance=2.54mm), pin number definition as



Pin No.	Definitio n	Pin No.	Definiti on
1	3.3V	2	LVDS power
3	5V	4	
5	12V	6	

46. The product offer one 1*3Pin LVDS_PWR PIN PORT(Pin distance=2.54mm), pin number definition as below:



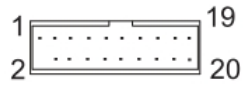
Pin No.	Definition
1	+3V
2	LVDS_PWR
3	+5V

47. HDMI PORT:

The product offer one 2*8Pin HDMI port (Distance=2.0mm), pin number definition as below:

Pin No.	Definition	Pin No.	Definition
1	signal line line2+	2	DDC clock
3	Signal line 2-	4	DDC Data
5	Signal line 1+	6	Empty
7	Signal line 1-	8	Hot Plug Detect
9	Signal line 0+	10	5V power
11	Signal line 0-	12	GND
13	Clock +	14	GND
15	Clock -	16	GND

47:



USB30 展档板为选购配件，您可以联络当地代理商购买。

接脚	定义	接脚	定义	接脚	定义	接脚	定义
1	VCC	11	USB3_TX+	6	USB3_RX-	16	GND
2	NO PIN	12	USB3_TX-	7	GND	17	D+
3	USB3_RX-	13	GND	8	USB3_RX+	18	D-
4	VCC	14	USB3_TX+	9	USB3_TX-	19	NC
5	USB3_RX+	15	D-	10	GND	20	D+