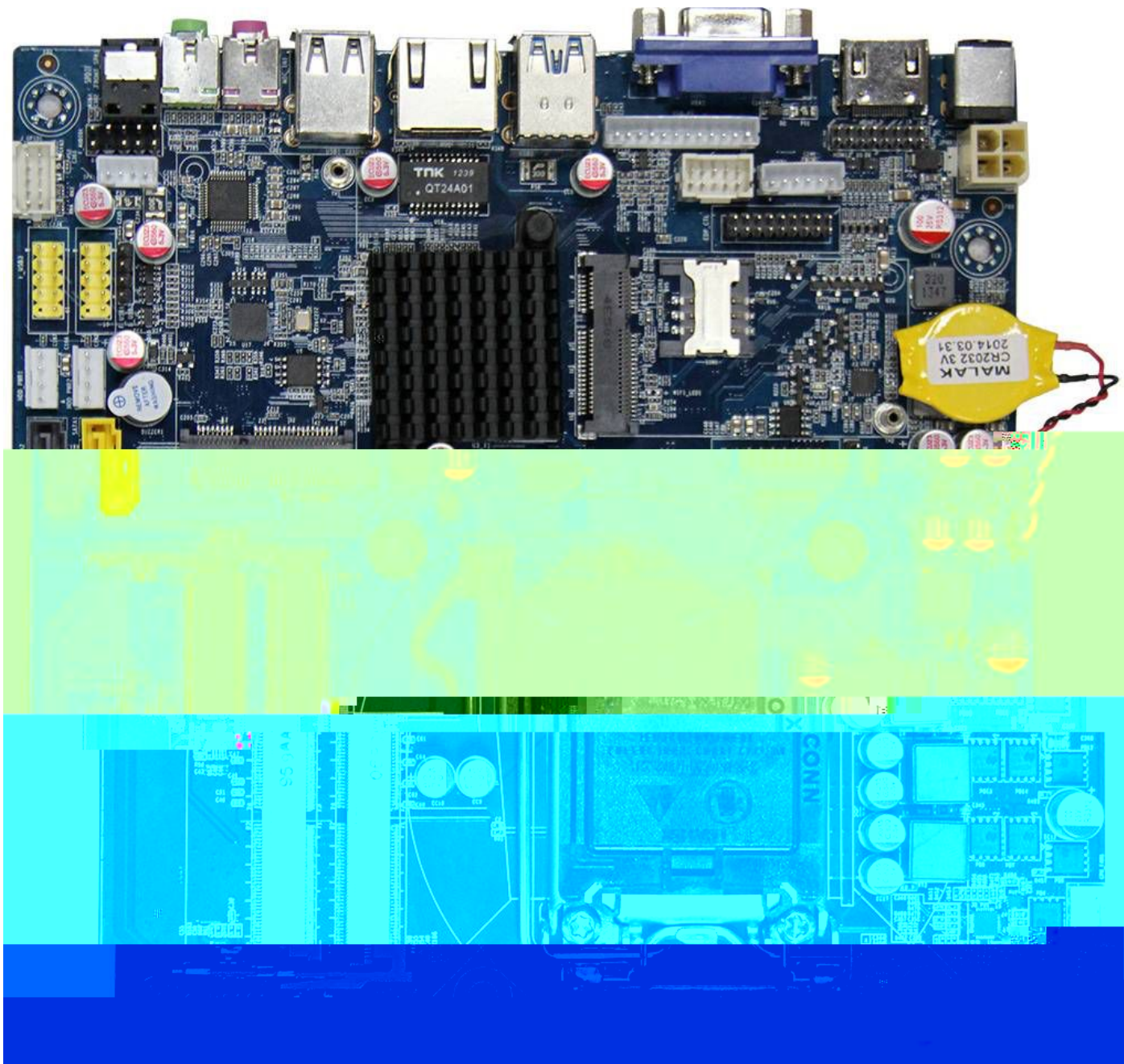


G-H81D11 Motherboard

User Guide

VER 1.0



版权信息

免责声明

目 录

第 1 部分：引言.....	4
1.1	4
1.2	4
1.3	5
1.4	5
1.5	6
第 2 部分：安装.....	7
2.1 CPU.....	7
Intel Haswell I3 I5 I7&	7
2.2	7
2.3	7
2.4	8
2.5 / / /	8
2.5.1 :eDP,VGA.....	8
2.5.2 :COM,,USB,GPIO,PS/2,F_AUDIO,SPK1.....	10
2.5.3 :F_PANEL1,CLR_CMOS.....	13
2.5.4 :MINI-PCIE1,MSATA1,SIM1,SATA1,SATA2,HDD_PWR1,HDD_PWR2.....	14
3 :	17
3.1	17
3.2	17
3.3	17
3.4	17

第 1 部分：引言

1.1 开始使用之前

1.2 包装清单

10X7U MINI-ITX							1
	1						
I/O	1						
COM	2COM	COM	6COM	1	1	4COM	
SATA	1						
SATA	1						

1.3 主板规格

System						
CPU/GPU	Intel	Haswell	i3/i5/i7	Intel® GT1	GT2	CPU
	H81/B85					
	2×		DDR3 1066/1333/1600MHz	16GB		
	1×SATA 3.0,1× SATA 2.0,1× mSATA					
	Realtek ALC662, 5.1					
	Realtek RTL8111E ,PCI-E					
	1×MINI PCI-E (WIFI) 3G					
	1xHDMI,1xVGA,1xEDP HDMI VGA LVDS					
	VGA+HDMI,VGA+eDP,HDMI+eDP / , B85					
COM	1×COM RS-232					
USB	2x USB3.0,7× USB 2.0/1.1(2 IO, 5)					
I/O	1×12~19V DC IN,1×HDMI,1×VGA,2×USB 3.0,1×RJ-45,2×USB 2.0,1×Mic-in,1×Line-out					
	1× eDP ,1×VGA ,1xHDMI 1× ,1×					
	1× COM 3× USB 2.0/1.1 5 USB 2.0/1.1					
I/O	1×PS/2 , 1×8bit GPIO					
	1× 4pin DC 12~19V ,1× CPU ,1×					
	2× 4 pin SATA ,1× ,1×					

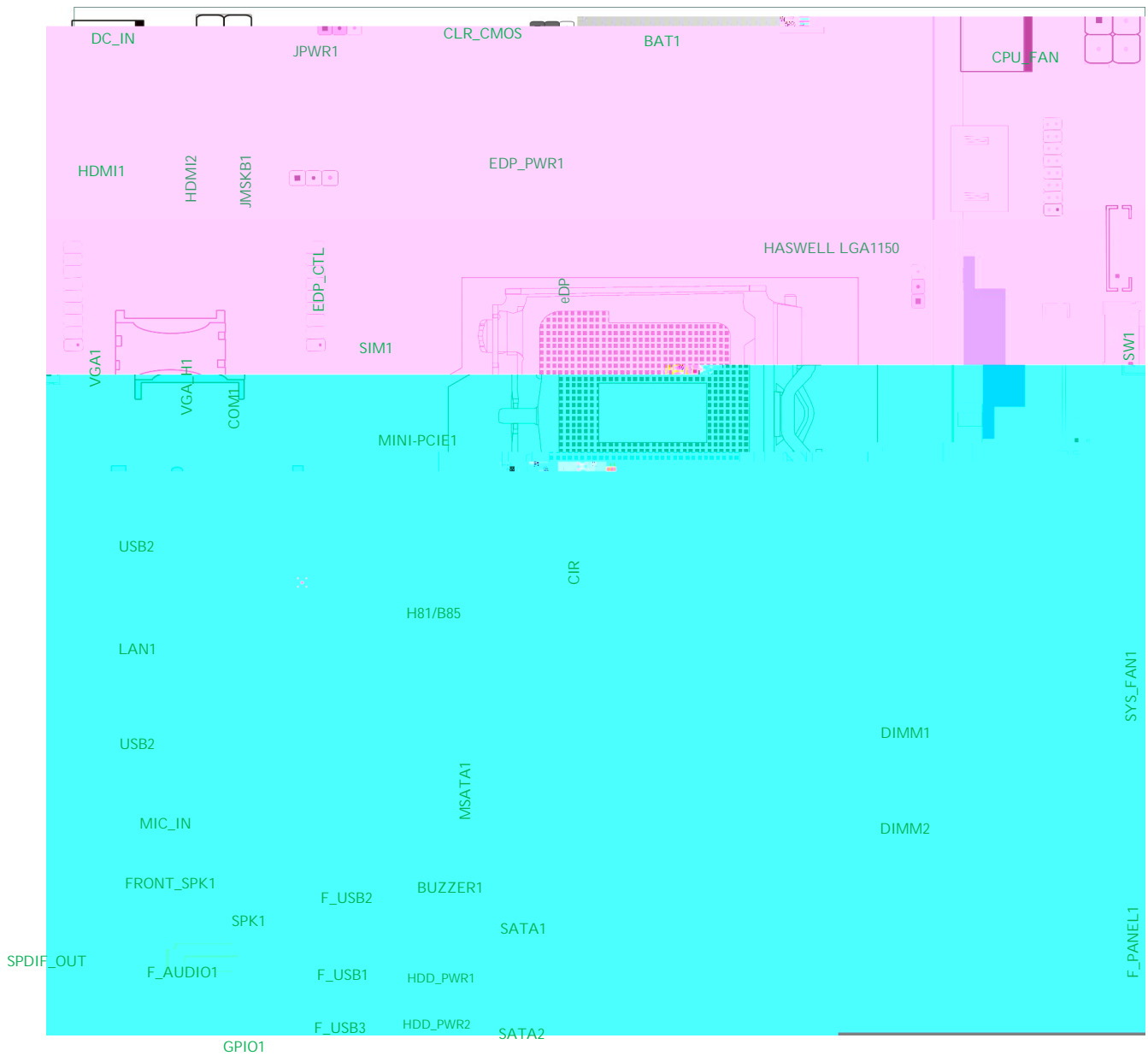
Mechanical & Environmental

DC 12

1.4 后面板接口

DC_IN	12~19V DC	
HDMI1		
VGA1		
USB2	USB 3.0	USB2.0/1.1
LAN1	RJ-45	
USB1	USB 2.0	USB 1.1
MIC-IN		
FRONT_SPK		

1.5 主板摆位图



: 1pin

第 2 部分：安装

2.1 CPU

Intel Haswell

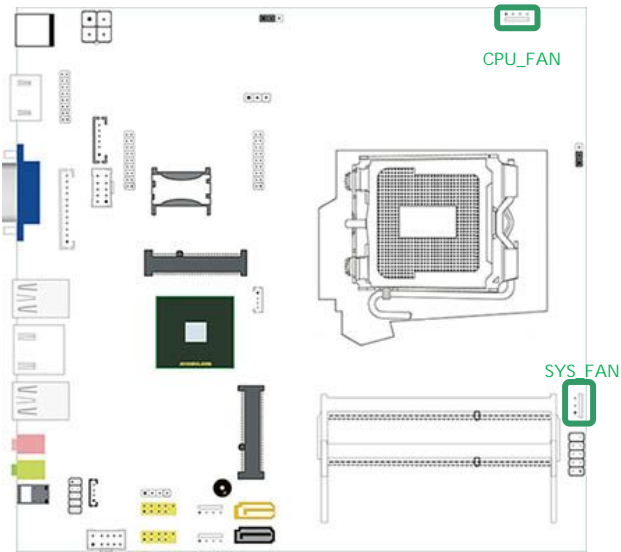
I3 I5 I7&

2.2 风扇插针

CPU

SYS_FAN1: 系统风扇插针

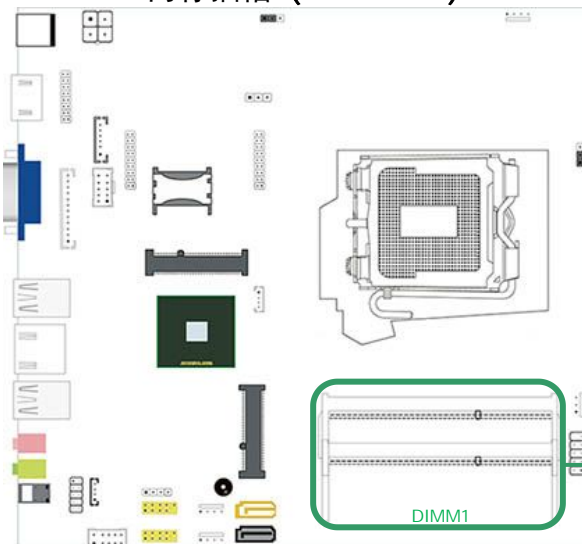
CPU_FAN1: CPU 风扇插针



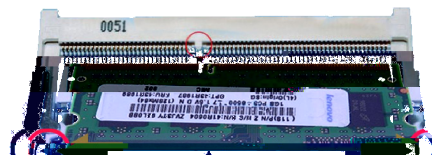
Pin	定义
1	GND
2	+12V
3	

2.3 系统内存

DIMM1: 内存插槽 (SO-DIMM)



插槽位置	PIN	支持内存频率	最大容量
DIMM1	204	1066/1333/1600MHz	8GB



内存安装与取出:

2.3.1

30

2.3.2

2.4 电源供应

JPWR1: DC 12~19V 电源输入接口 (4-pin)
12~19V

Pin	定义
1	GND
2	GND
3	12~19V
4	12~19V

2.5 板载插槽/连接器/插针/跳线

2.5.1 显示端口插针定义:eDP,VGA

eDP: eDP 连接器

eDP

1/2/4

eDP

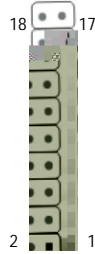
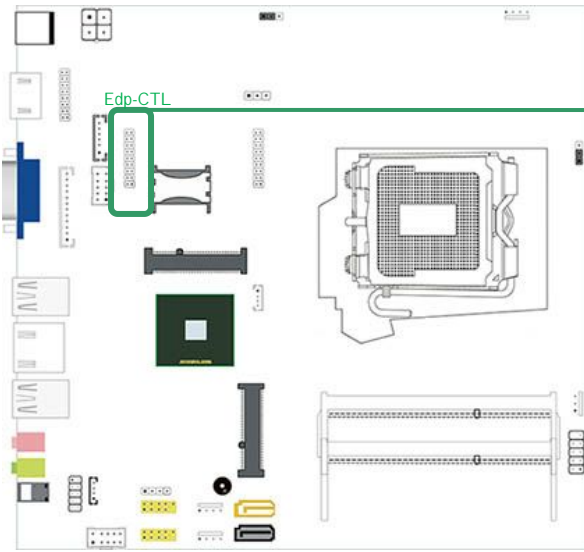
eDP

PIN	定义	PIN	定义
1	VCC	2	VCC
3	GND	4	GND
5	eDP_D0-	6	eDP_D0+
7	eDP_D1-	8	eDP_D1+
9	GND	10	GND
11	eDP_D2-	12	eDP_D2+
13	eDP_D3-	14	eDP_D3+
15	GND	16	GND
17			

eDP_CTL: eDP 背光连接器

1 18pin

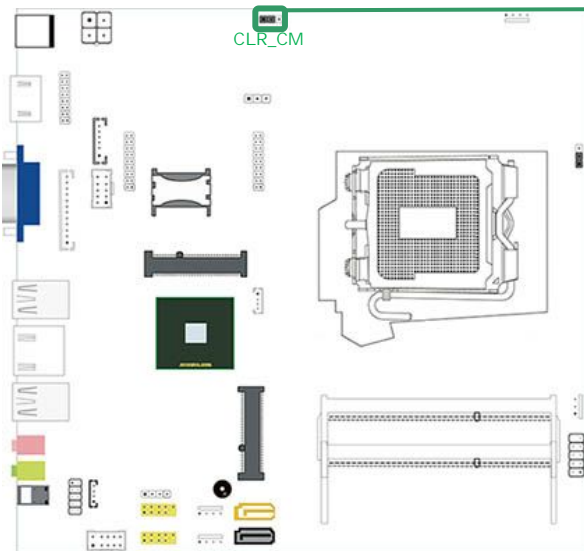
eDP



PIN	定义	PIN	定义
1	+12V	2	+12V
3	+12V	4	GND
5	GND	6	GND
7	BL_EN	8	PWM
9	SMB_DATA	10	SMB_CLK
11	DDI_DATA	12	DDI_CLK
13	eDP_HPD	14	PLT_RST
15	GND	16	GND
17	VCC5	18	VCC3

EDP_PWR1: eDP 液晶屏逻辑电路工作电压选择跳线

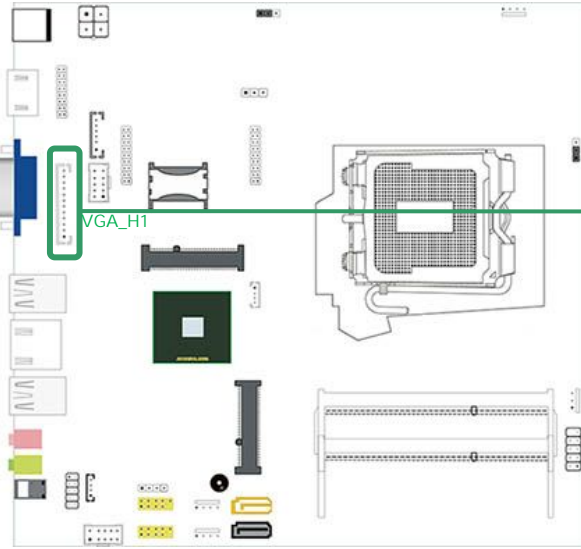
eDP



Pin	定义
1-2	eDP 5V
2-3	eDP 3.3V ()

VGA_H1: VGA 内部插针

1 VGA IO VGA1



PIN	定义	PIN	定义
1	GND	7	GREEN
2	VSYNC	8	GND
3	HSYNC	9	BLUE
4	GND	10	GND
5	RED	11	DDC-DATA
6	GND	12	DDC-CLK

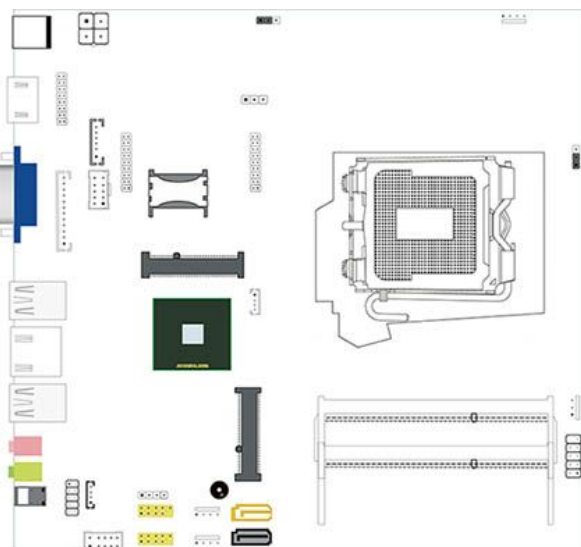
双屏显示设置

1 VGA 1 VGA 1 HDMI 1 eDP
4 :

组合模式	双显功能
VGA1+VGA_H1	
VGA1/VGA_H1+HDMI1	/
VGA1/VGA_H1+eDP	/
HDMI1+eDP	/

2.5.2 常用功能端口插针定义:COM,,USB,GPIO,PS/2,F_AUDIO,SPK1

COM1: RS-232 插针

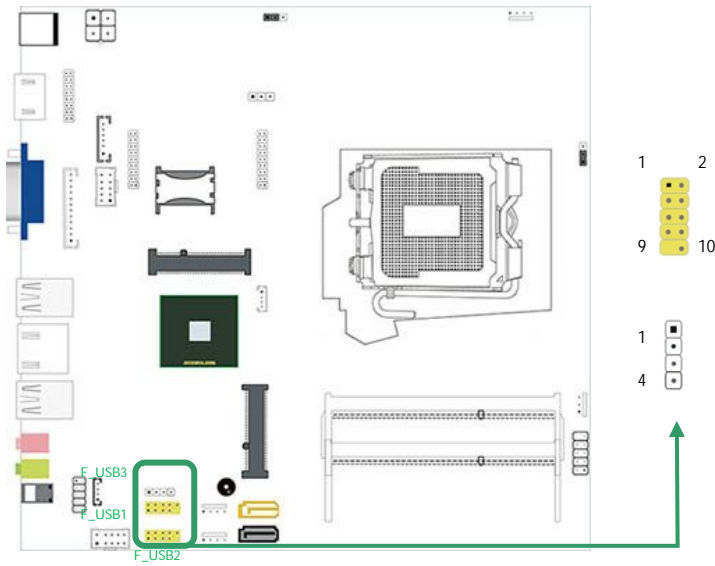


1 2
9 10

PIN	定义	PIN	定义
1	DCD	2	SIN
3	SOUT	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	NC

F_USB1,F_USB2,F_USB3:USB 扩展插针

USB 3 USB
 5 USB 2.0 480 Mbps

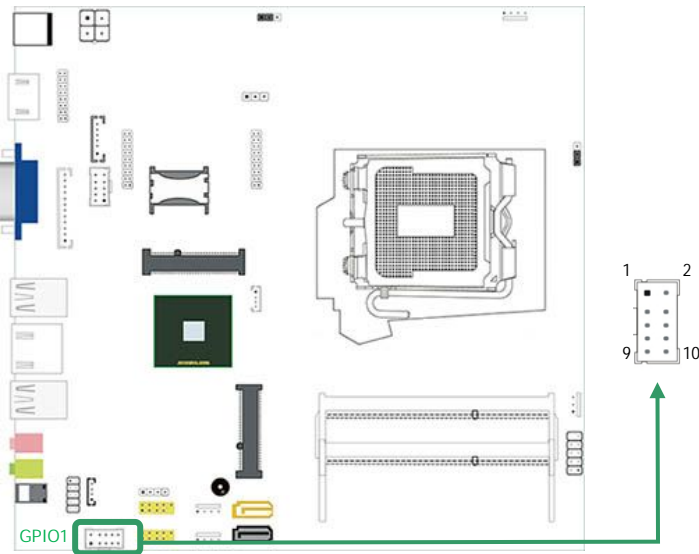


PIN	定义	PIN	定义
1	+5V	2	+5V
3	CONN_USB_P9-	4	CONN_USB_P11-
5	CONN_USB_P9+	6	CONN_USB_P11+
7	GND	8	GND
9		10	NC

Pin	定义
1	+5V
2	CON_USB_P8-
3	CON_USB_P8+
4	GND

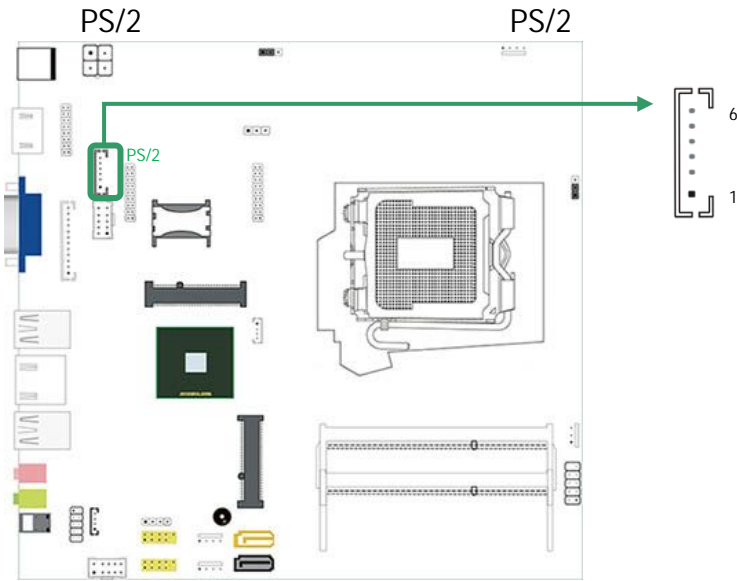
J_GPIO1:通用输入/输出接口插针

8bit GPIO 4 4



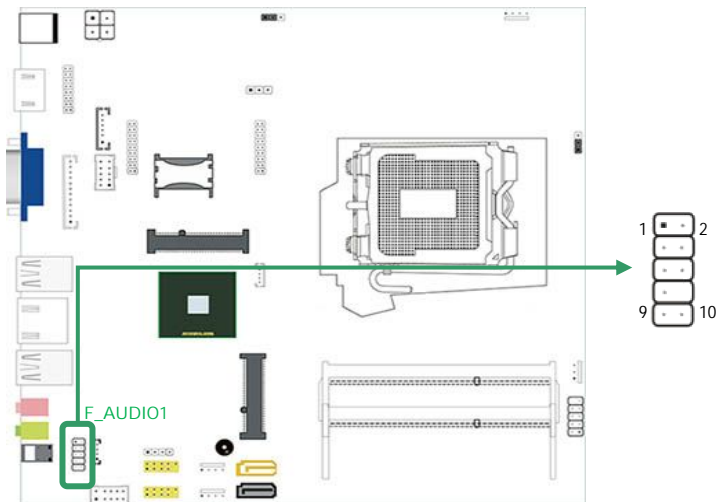
PIN	定义	PIN	定义
1	GND	2	+5V
3	PCH_GPIO46	4	PCH_GPIO2
5	PCH_GPIO50	6	PCH_GPIO3
7	PCH_GPIO52	8	PCH_GPIO4
9	PCH_GPIO54	10	PCH_GPIO5

JMSKB1: 键盘鼠标扩展插针



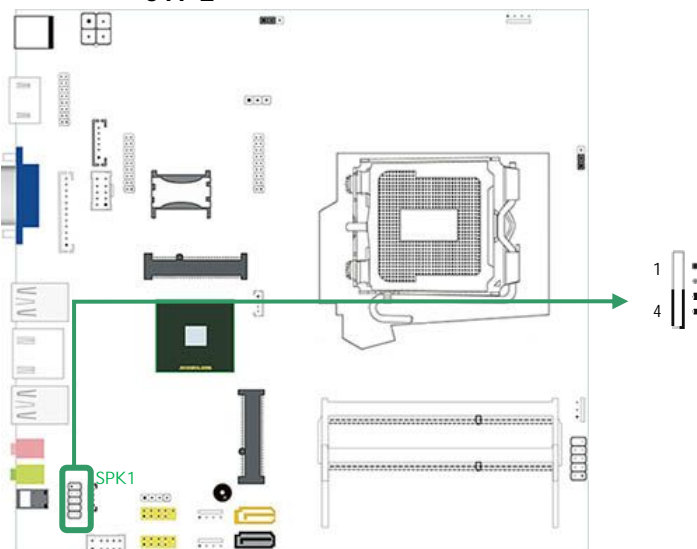
Pin	定义
1	KB_CLK
2	GND
3	KB_DATA
4	MS_DATA
5	+5V
6	MS_CLK

F_AUDIO1: 前置音频插针



PIN	定义	PIN	定义
1	MIC-L	2	GND
3	MIC-R	4	NC
5	LINEOUT-R	6	MIC SENSE
7	GND	8	
9	LINEOUT-L	10	LINEOUT SENSE

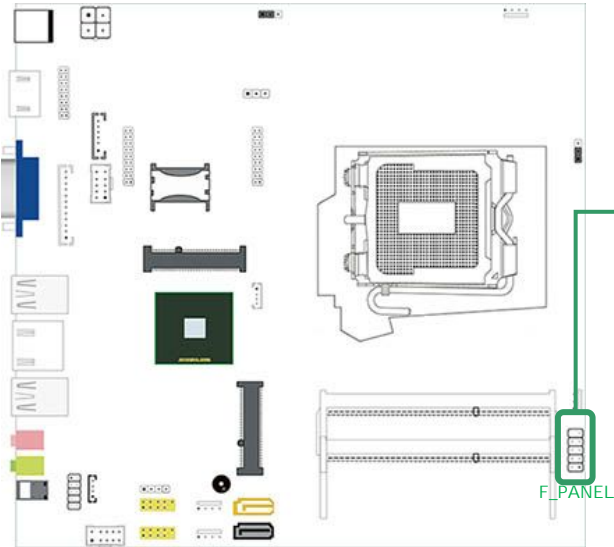
SPK1: 功放插针 5W 2



Pin	定义
1	SPKR-
2	SPKR+
3	SPKL-
4	SPKL+

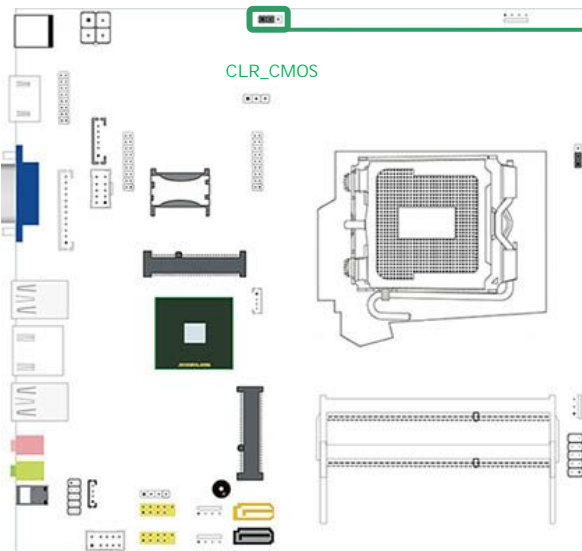
2.5.3 其他插针定义:F_PANEL,CLR_CMOS

F_PANEL1: 前置面板插针
10PIN



PIN	定义	PIN	定义
1	HDD_LED+	2	PWR_LED+
3	HDD_LED-	4	GND
5	GND	6	GND
7	RESET	8	PWR_ON
9	GND	10	

CLR_CMOS: 清除 COMS 设置跳线
Pin2-3 BIOS



Pin	定义
1-2	Normal
2-3	Clear CMOS

清空 COMS 设置操作说明:

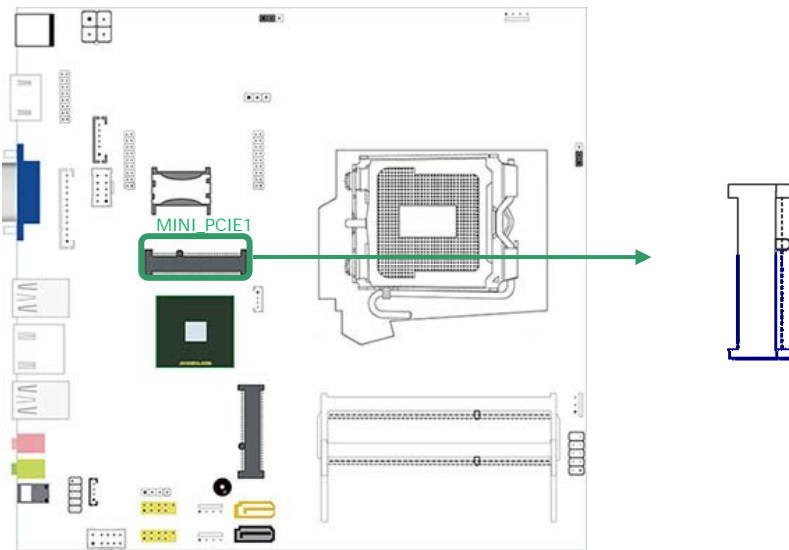
5 " Pin 2-3 "

" Pin 1-2 "

COMS

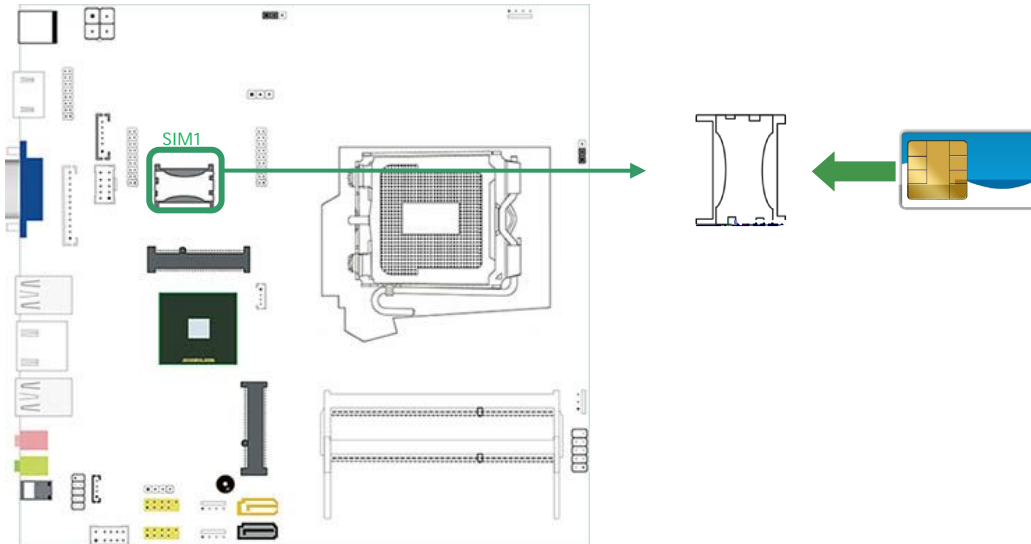
2.5.4 插槽和连接器:MINI-PCIE1,MSATA1,SIM1,SATA1,SATA2,HDD_PWR1,HDD_PWR2

MINI-PCIE1: Mini PCI-E 插槽
WIFI/3G



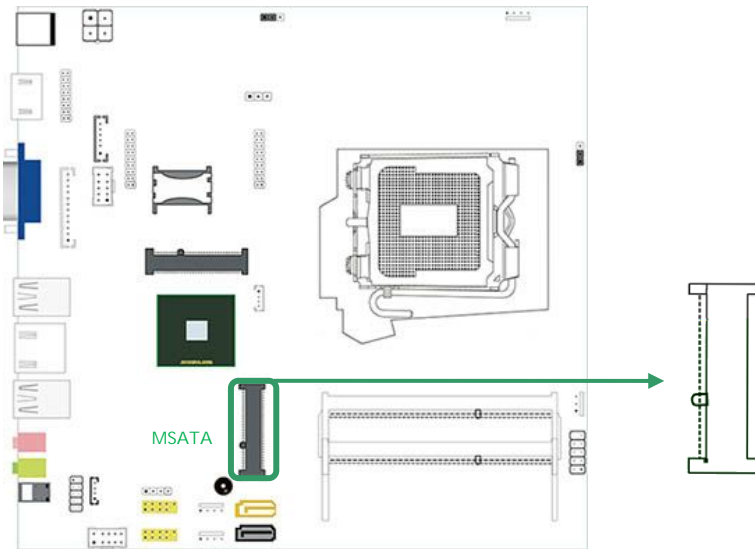
! WIFI/3G

SIM1: SIM 卡插槽
1 SIM 3G SIM



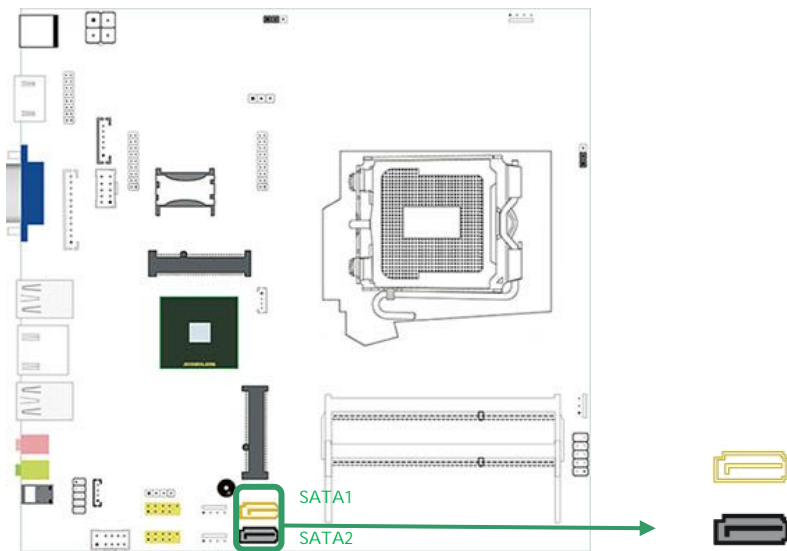
! 3G SIM 卡装入时注意将芯片朝下

MSATA1: mSATA 插槽

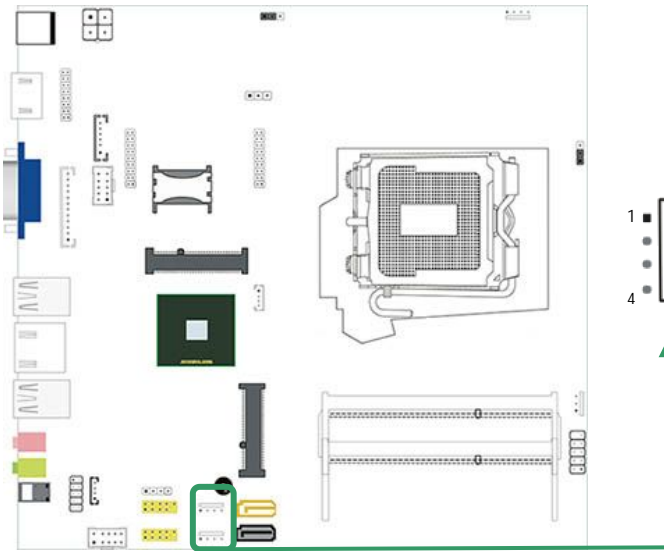


! SSD

SATA1/SATA2: 1 SATA2.0 接口 1 SATA 3.0 接口
SATA2.0 3Gb/s SATA3.0 6Gb/s

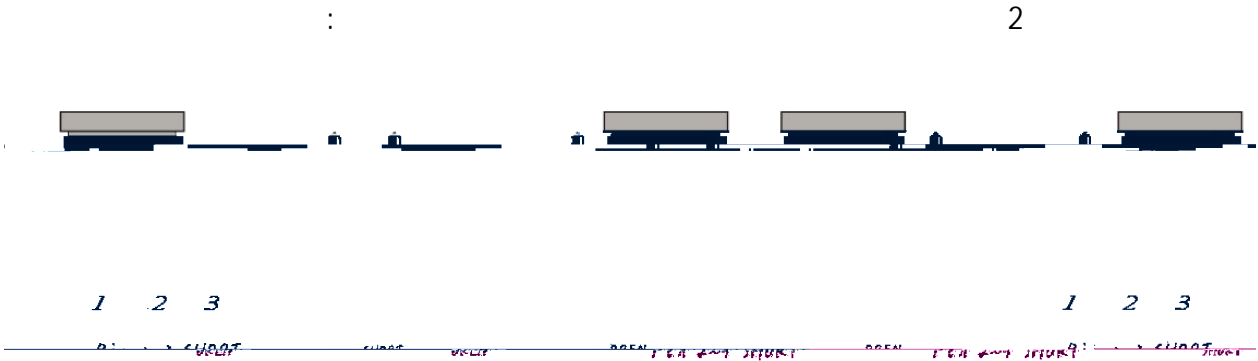


HDD_PWR1,HDD_PWR2:SATA 硬盘供电插座



Pin	定义
1	NC
2	GND
3	GND
4	+5V

*如何设置跳线



3 :

3.1 芯片组驱动安装

G-H81D11 Driver \ Chipset \ infinst_9.4.0.1026 \ , double-click " Setup" .
" " " .
Intel XP/WIN7/WIN8

3.2 显卡驱动安装

XP G-H81D11 Driver \ VGA \ WIN XP \ 32bit/64bit \ , double-click " Setup" .
WIN7&WIN8 G-1037U Driver \ VGA \ WIN7&WIN8 \ 32bit/64bit \ , double-click " Setup" .
" " " .
32bit 64bit 32 64

3.3 声卡驱动安装

XP G-H81D11 Driver \ A udio\ XP \ , double-click " Setup.exe" .
WIN7&WIN8 G-H81D11 Driver \ Audio \ WIN7&WIN8 \ , double-click " Setup.exe" .
" " " .

3.4 网卡驱动安装

XP G-H81D11 Driver \ LAN \ XP_5820 \ , double-click " Setup.exe" .
WIN7 G-H81D11 Driver \ LAN \ Win7_7077 \ , double-click " Setup.exe" .
WIN8&WIN8.1 G-H81D11 Driver \ LAN \ Win8_8.1_8020 \ , double-click " Setup.exe" .
" " " .