

# Giada DT-H81DL Quick Installation Guide-V1.0

## Tips:

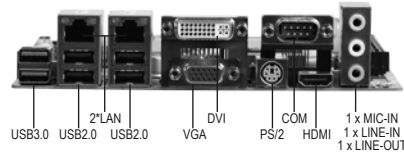
How to identify the first pin of the jumpers and connectors

- The first pin is marked as "1" or solder pad or bold lines or triangular symbols
- The red line on the cable or other marks show that they should be connected with the first pin of the socket.

## Warning!

Please adopt appropriate screw and proper installation methods (including board allocation, CPU and heat sink installation, etc.); otherwise, the board may be damaged.

## Back Panel Interface:



## 2. HDMI

Pin#	Definition	Pin#	Definition
1	HDMID_TX2_DN	2	HDMID_HPD_SINK
3	HDMID_TX2_DP	4	GND
5	GND	6	DAC_5V
7	HDMID_TX1_DN	8	GND
9	HDMID_TX1_DP	10	HDMID_SCL
11	GND	12	HDMID_SDA
13	HDMID_TX0_DN	14	GND
15	HDMID_TX0_DP	16	HDMID_CLK_DN
17	GND	18	HDMID_CLK_DP

## 1. ATX 12V (12V Power receptacle)

This board has special 12V power receptacle for CPU. For better and more stable processor power supply, we suggest keeping the connection on this socket. The definitions of the pins are described below (when power supply with 20-pin outlet is used, please make sure the numbers are matched correctly):

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

## 4. ME\_UPD (Intel ME Control Header)

PIN#	Definition
1	3.3V
2	AUD_LINK_SDO_R
3	GND

1-2 Enable 2-3 Disable

## 3. F\_AUDIO (Front Panel Audio Header)

PIN#	Definition	PIN#	Definition
1	MIC_L	2	GND
3	MIC_R	4	N/A
5	FRONT_R	6	F_IO_SENCE
7	GND	8	N/A
9	FRONT_L	10	F_IO_SENCE

Be used connect to the second line-out and MIC in jacks that are at the front panel of you system

## 6. LGA1150

CPU Socket, Supports Intel® FCLGA1150 package Haswell processor, CPU power does not exceed 65W.

## 5. PCIE1

The board provide one PCIe x16 slot, marked as PCIE1 on board.

## 7. F\_PANEL (Front-end control panel)

1-3	HDD-LED	1	+HDLED	2	PLED+
2-4	PWR-LED	3	-HDLED	4	PLED-
5-7	RESET-SWITCH	5	-RESET	6	PBTNJ_SIO
6-8	PWR-SWITCH	7	GND	8	GND
		9	N/A	10	N/A

Be used connect the power switch, reset switch, chassis intrusion switch/sensor and system status indicator on the chassis.

## 8. SPK (Speaker)

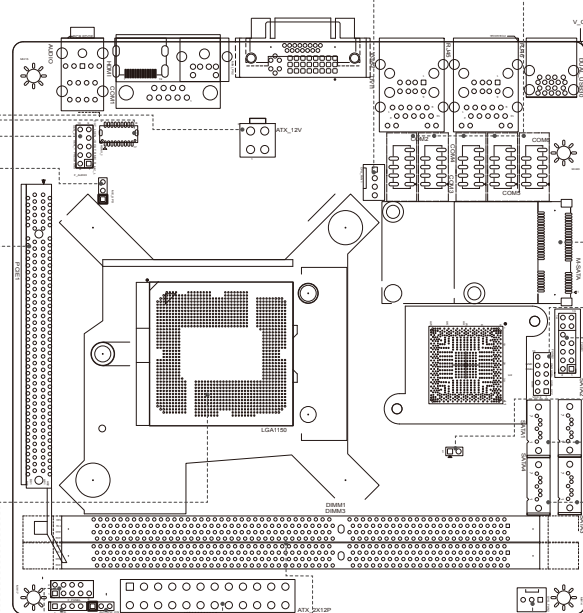
PIN#	Definition
1	SPK+
2	N/A
3	N/A
4	SPK-

## 9. AUTO PW\_ON

PIN#	Definition
1	AUTOPW_ON
2	PBTNJ_SIO
3	N/A

1-2 Enable 2-3 Disable

## Connectors and Jumpers:



## 19. CPU\_FAN (CPU FAN Socket)

Pin#	Definition
1	GND
2	12V
3	FAN_TAC1
4	FAN_CTL1

## 18. F\_COM (Front end COM port)

Pin#	Definition	Pin#	Definition
1	-NDCD2	2	NRXD2
3	-NTXD2	4	-NDTR2
5	GND	6	-NDSR2
7	-NRTS2	8	-NCTS2
9	-NRT2		

Be used with modems, serial printers, remote display terminals and serial devices. COM2 default with +5V power is marked in yellow, COM3-COM6 uncharged

## 17. Mini-PCIe expanded slots

Mini-PCIe support M-SATA, for example, can use extend M-SATA SSD etc.

## 16. F\_USB1 (Front-end USB2.0 Pin)

Pin#	Definition	Pin#	Definition
1	+5V	2	+5V
3	USB2_N	4	USB3_N
5	USB2_P	6	USB3_P
7	GND	8	GND
9	N/A	10	GND

## 15. F\_USB2 (Front-end USB2.0 Pin+IR)

Pin#	Definition	Pin#	Definition
1	+5V	2	+5V
3	USBP11_N	4	USBP10N_L
5	USBP11_P	6	USBP10P_L
7	GND	8	GND
9	N/A	10	PLED+
11	PBTNJ_SIO	12	+HDLED
13	USB_5VSB	14	USB_5VSB

Be used connect to the USB2.0 and receive the IR Signal at the front panel

## 14. CLR\_CMOS

PIN#	Definition
1	GND
2	CLR_CMOS

If you encounter the following,  
 a) CMOS data becomes corrupted.  
 b) You forgot the supervisor or user password.  
 You can reconfigure the system with the default values stored in the ROM BIOS.

To load the default values stored in the ROM BIOS, please follow the steps below.

- Power-off the system and unplug the power cord.
- Short Pin1 and Pin2 for 3-5 seconds, then back to default setting
- Plug the power cord and power on the system

## 10. ATX\_2 x 12P (Power Connector)

PIN#	Definition	PIN#	Definition
1	3.3V	2	3.3V
3	GND	4	+5V
5	GND	6	+5V
7	GND	8	PW-OK
9	5VSB	10	12V
11	3.3V	12	-12V
13	GND	14	PS-ON
15	GND	16	GND
17	GND	18	-5V
19	+5V	20	+5V
21	+12V	22	+5V
23	+3V	24	GND

Important:  
 Insufficient power supplied to the system may result in instability or the add-in boards and peripherals not functioning properly. Calculating the system's approximate power usage is important to ensure that the power supply meets the system's consumption requirements.

## 11. SYS\_FAN (System FAN Socket)

PIN#	Definition
1	GND
2	12V
3	FAN_TAC2

## 12. Memory Slot

Support 2 x U-DIMM DDR3 memory, Up to 16G  
 In order to avoid damages to the motherboard or the components, the user must make sure the power supply to the computer is turned off before the memory or other component is installed or removed.

## 13. SATA (Serial ATA flat-cable sockets)

Pin#	Definition	Pin#	Definition
1	GND	6	SATA_RXP0
2	GND	7	SATA_RXN0
3	SATA_TXP0	8	GND
4	SATA_TXN0	9	GND
5	GND		

Blue color socket is SATAIII and Black color socket is SATAII