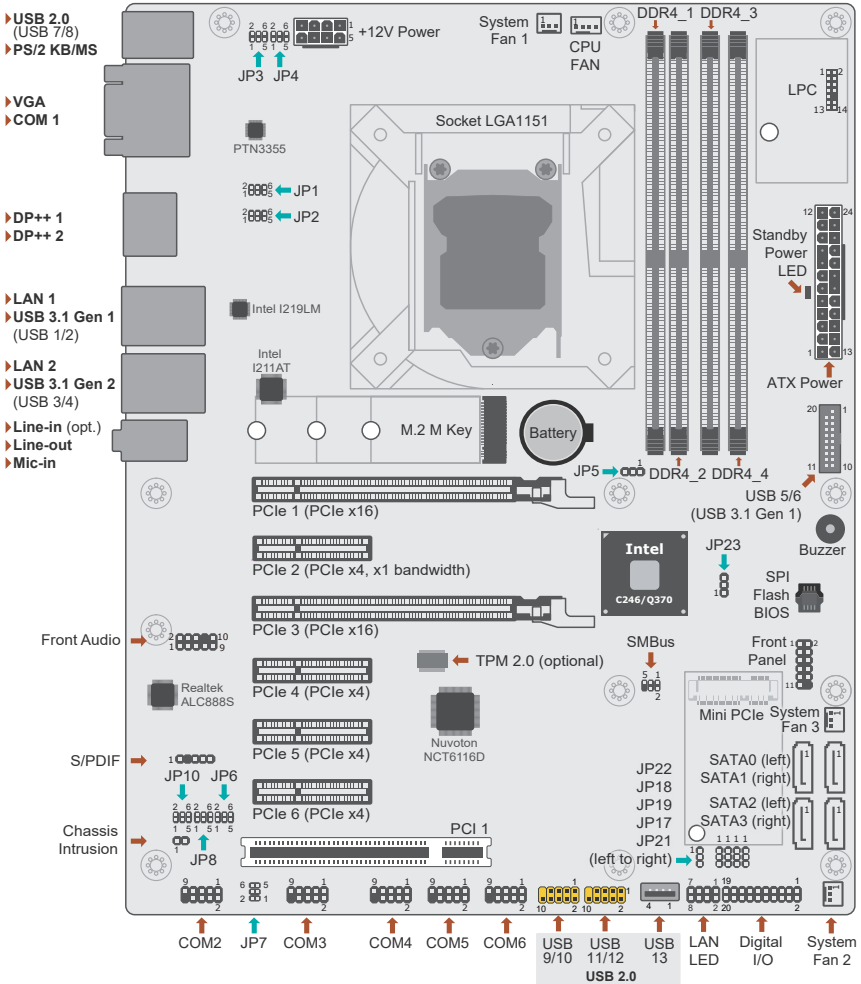


**Board Layout and Jumpers**



COM1/COM2 Serial Mode	JP1/ JP6	JP2/ JP8	JP3/ JP10
RS232 (default)	1-3 On 2-4 On	1-3 On 2-4 On	1-3 On 4-6 On
RS422	3-5 On 4-6 On	3-5 On 4-6 On	3-5 On 4-6 On
RS485	3-5 On 4-6 On	3-5 On 4-6 On	3-5 On 2-4 On

COM 1/2 RS232 Power	JP4/JP7
Standard RS232 (default)	1-3 & 2-4 On
RS232 with Power	3-5 & 4-6 On
DIO Power Voltage	JP17
5VDU (default)	1-2 On
5V	2-3 On

DIO Power Sginal	JP18 (DIO0~3) JP19 (DIO4~7)
DIO Power (default)	1-2 On
GND	2-3 On
Clear CMOS Data	JP5
Normal (default)	1-2 On
Clear CMOS Data	2-3 On

Mini PCIe Power Select	JP22
3VDU (default)	1-2 On
3V	2-3 On
Mini PCIe Signal Select	JP23
SATA (default)	1-2 On
PCIe	2-3 On
SATA Terminal Select	JP21
Mini PCIe/mSATA (default)	1-2 On
SATA3 (R5)	2-3 On

## Pin Assignment

### LAN LED

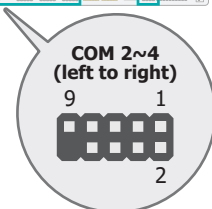
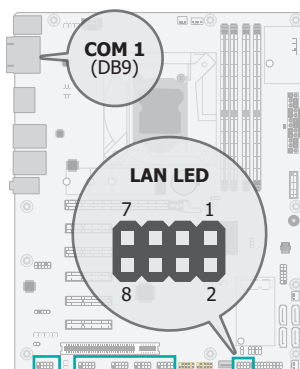
Pin	Assignment	Pin	Assignment
1	LAN1_1000	2	LAN1_100
3	LAN1_Link_ACT	4	3V3DU
5	LAN2_1000	6	LAN2_100
7	LAN2_Link_ACT	8	3V3DU

### COM Ports (COM 1~6)

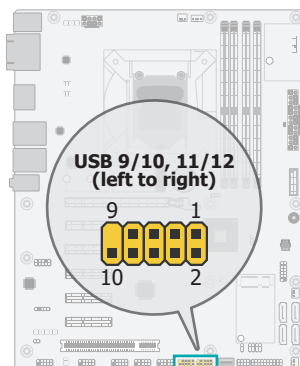
Pin	Standard RS232	RS232 with Power	RS422 Full Duplex	RS485
1	DCD-	12V	RX+	Data+
2	RD	RD	RX-	Data-
3	TD	TD	TX+	N.C.
4	DTR-	DTR-	TX-	N.C.
5	GND	GND	GND	GND
6	DSR-	DSR-	N.C.	N.C.
7	RTS-	RTS-	N.C.	N.C.
8	CTS-	CTS-	N.C.	N.C.
9	RI-	5V	N.C.	N.C.

### USB 2.0 Headers (USB 9/10, 11/12)

Pin	Assignment	Pin	Assignment
1	VCC	2	VCC
3	Data-	4	Data-
5	Data+	6	Data+
7	GND	8	GND
9	---	10	N.C.

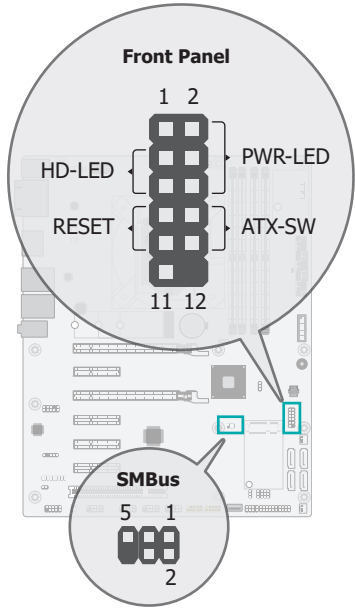


**Note:**  
COM 3~6 only support Standard RS232.



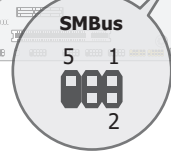
### Front Panel

Pin	Assignment	Pin	Assignment
1	N.C.	2	LED Power
3	HDD Power	4	LED Power
5	Signal	6	Signal
7	Ground	8	Ground
9	Signal	10	Signal
11	N.C.	12	---



### SMBus

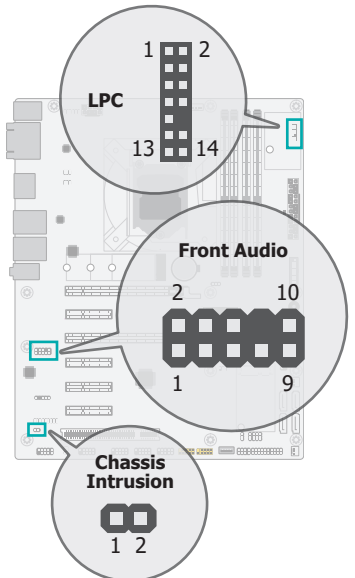
Pin	Assignment	Pin	Assignment
1	3V3SB	2	GND
3	SMB_CLK	4	SMB_DATA
5	SMB_ALERT	6	GND



### LPC

Pin	Assignment	Pin	Assignment
1	L_CLK	2	L_AD1
3	L_RST#	4	L_AD0
5	L_FRAME#	6	3V3
7	L_AD3	8	GND
9	L_AD2	10	---
11	SERIRQ	12	GND
13	5VSB	14	5V

**Note:**  
LPC can also be used to connect to EXT-RS232/485 module.



### Front Audio

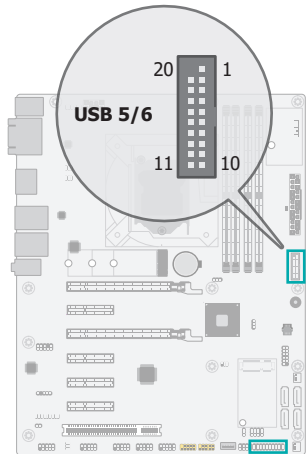
Pin	Assignment	Pin	Assignment
1	Mic2-L	2	GND
3	Mic2-R	4	N.C.
5	Line2-R	6	Mic2-JD
7	GND	8	---
9	Line2-L	10	Line2-JD

### Chassis Intrusion

Pin	Function	Pin	Function
1	Signal	2	GND

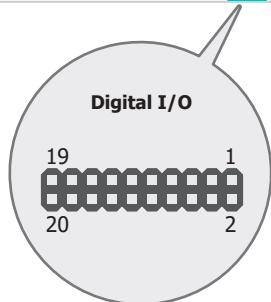
**USB 3.1 Gen 1 (USB 5/6)**

Pin	Assignment	Pin	Assignment
1	VCC	11	Data5+
2	USB3_RX5-	12	Data5-
3	USB3_RX5+	13	GND
4	GND	14	USB3_TX6+
5	USB3_TX5-	15	USB3_TX6-
6	USB3_TX5+	16	GND
7	GND	17	USB3_RX6+
8	Data6-	18	USB3_RX6-
9	Data6+	19	VCC
10	5V		



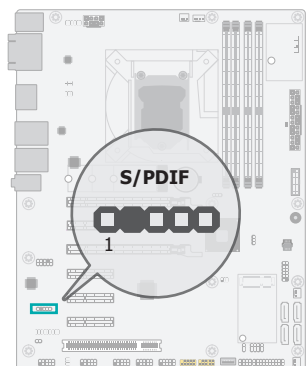
**Digital I/O (DIO)**

Pin	Function	Pin	Function
1	GND	2	+12V
3	DIO_7	4	+12V
5	DIO_6	6	GND
7	DIO_5	8	5V
9	DIO_4	10	5V
11	DIO_3	12	GND
13	DIO_2	14	5VDU
15	DIO_1	16	5VDU
17	DIO_0	18	GND
19	GND		



**S/PDIF**

Pin	Assignment	Pin	Assignment
1	5V	4	GND
2	---	5	Signal In
3	Signal Out		



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C246



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