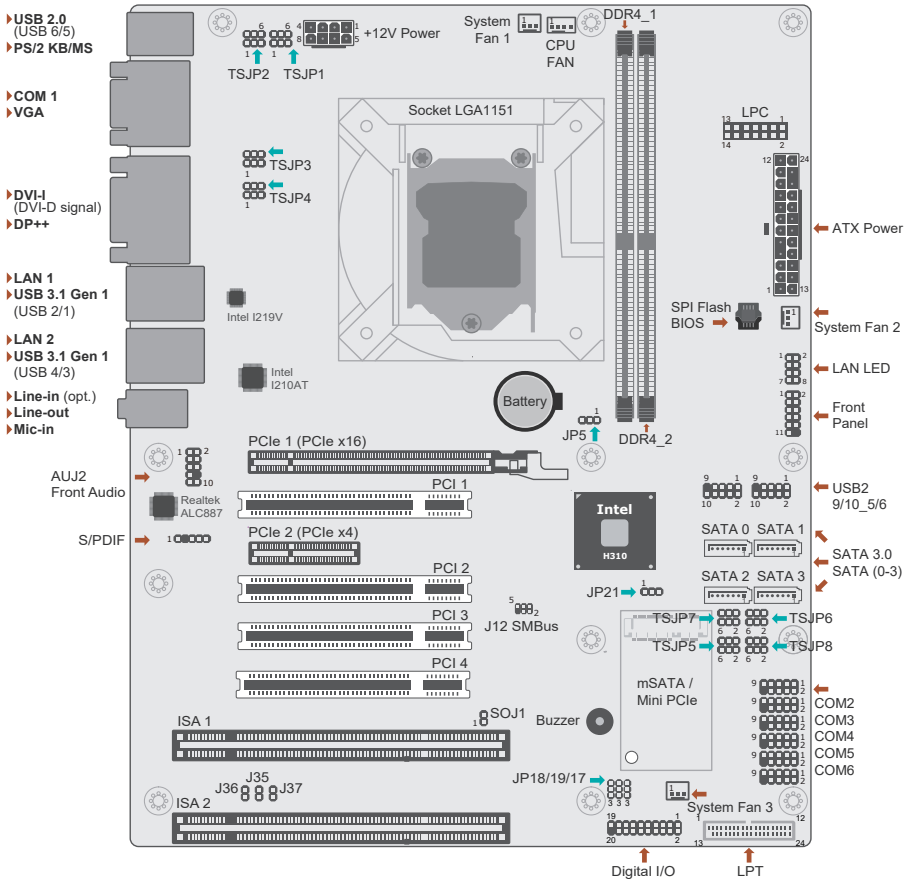


Board Layout and Jumper Settings



COM Mode Select	TSJP2 (COM1) / TSJP6 (COM2)
RS232 (Default)	1-3, 4-6 On
RS422	3-5, 4-6 On
RS485	3-5, 2-4 On

COM Mode Select	TSJP3/4 (COM1) TSJP7/8 (COM2)
RS232 (Default)	1-3, 2-4 On
RS422	3-5, 4-6 On
RS485	3-5, 4-6 On

COM Power Selection	TSJP1 (COM1) / TSJP5 (COM2)
RS232 Standard(Default)	1-3 / 2-4 On
RS232 with Power	3-5 / 4-6 On

Clear CMOS	JP5
Normal (default)	1-2 On
Clear CMOS	2-3 On

mSATA/SATA switch	JP21
SATA (default)	1-2 On
mSATA	2-3 On

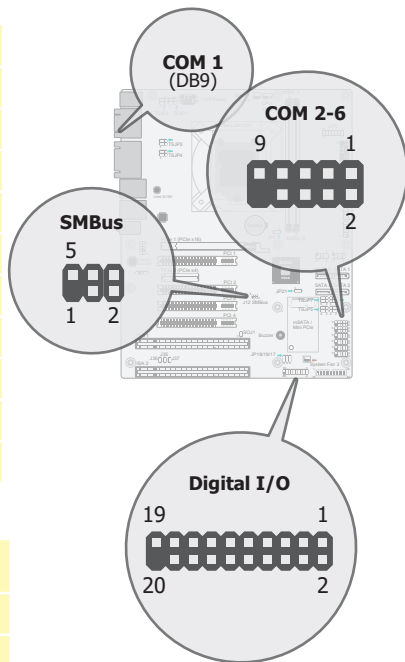
Digital I/O Power	JP17
+5VDU (default)	1-2 On
+5V	2-3 On

Digital I/O Output	JP18 (DIO 0-3) JP19 (DIO 4-7)
+5V or +5VDU (default)	1-2 On
GND	2-3 On

Pin Assignment

Digital I/O (DIO)

Pin	Function	Pin	Function
1	GND	2	+12V
3	DIO7	4	+12V
5	DIO6	6	GND
7	DIO5	8	+5V
9	DIO4	10	+5V
11	DIO3	12	GND
13	DIO2	14	+5VDU
15	DIO1	16	+5VDU
17	DIO0	18	GND
19	GND	20	---



COM Ports (COM 1-6)

Pin	RS232	RS232 with Power	RS422 Full Duplex	RS485
1	DCD-	+12V	RXD+	Data+
2	RD	RD	RXD-	Data-
3	TD	TD	TXD+	N.C.
4	DTR-	DTR-	TXD-	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.

SMBus

Pin	Assignment	Pin	Assignment
1	3V3DU	2	GND
3	SMB_CLK	4	SMB_DATA
5	SMB_ALERT	6	---

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	---

S/PDIF

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

LAN LED

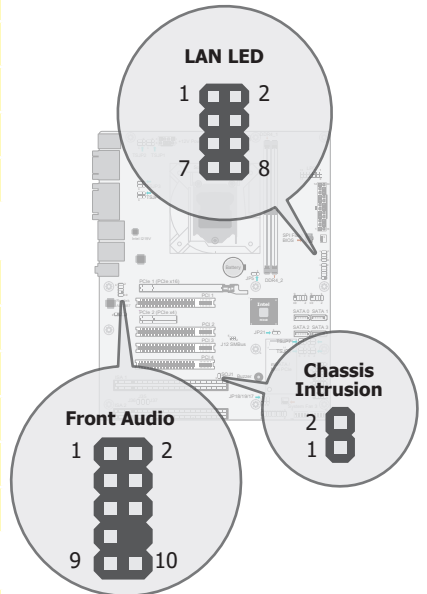
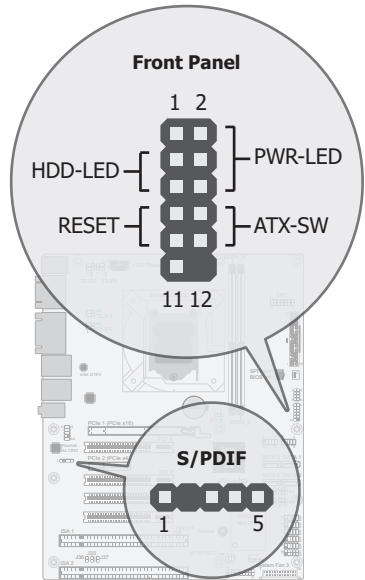
Pin	Assignment	Pin	Assignment
1	GBE_LED_1000-	2	GBE_LED_100-
3	GBE_LED_LINK_ACT-	4	3V3DU
5	LINK_1000_4	6	LINK_100_4
7	LINK_ACTIVITY_4	8	3V3DU

Front Audio

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

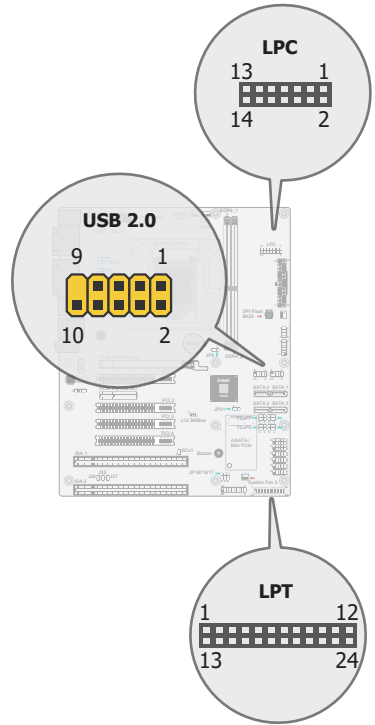
Chassis Intrusion

Pin	Function	Pin	Function
1	Signal	2	GND



LPT

Pin	Assignment	Pin	Assignment
1	STB-	2	AFD-
3	PD_C_0	4	ERR-
5	PD_C_1	6	P_INIT-
7	PD_C_2	8	SLIN-
9	PD_C_3	10	GND
11	PD_C_4	12	GND
13	PD_C_5	14	GND
15	PD_C_6	16	GND
17	PD_C_7	18	GND
19	ACK-	20	GND
21	BUSY	22	GND
23	PE	24	GND
25	SLCT		



USB 2.0 Headers (USB 5/6)

Pin	Assignment	Pin	Assignment
1	SBV6	2	SBV6
3	USBP_C_6N	4	USBP_C_5N
5	USBP_C_6P	6	USBP_C_5P
7	GND	8	GND
9	---	10	N.C.

LPC

Pin	Assignment	Pin	Assignment
1	CLK	2	L_AD1
3	RST#	4	L_AD0
5	FRAME#	6	VCC3
7	LAD3	8	GND
9	LAD2	10	---
11	SERIRQ	12	GND
13	5VSB	14	5V

USB 2.0 Headers (USB 9/10)

Pin	Assignment	Pin	Assignment
1	SBV3	2	SBV3
3	USBP_C_14N	4	USBP_C_9N
5	USBP_C_14P	6	USBP_C_9P
7	GND	8	GND
9	---	10	N.C.



DFI reserves the right to change the specifications at any time prior to the product's release. For the latest information about the product, please visit the document download page at go.dfi.com/CS620-H310, or via the QR codes to the right.



CS620-H310