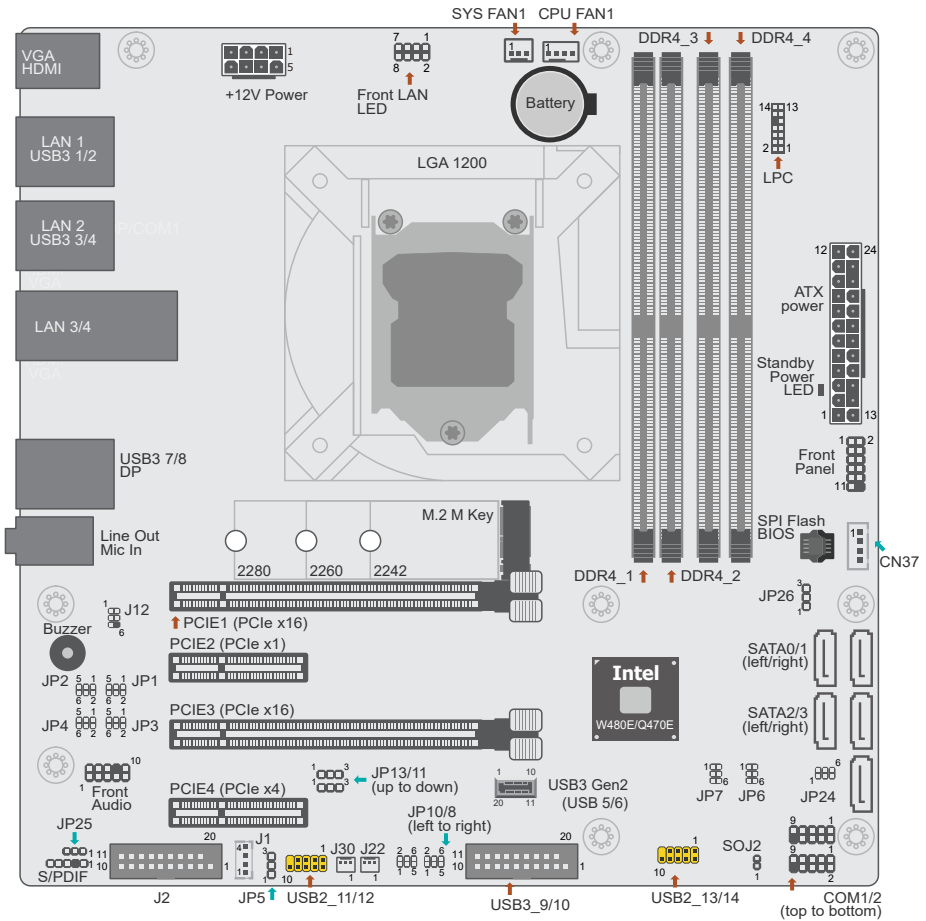


Board Layout and Jumper Settings



Note:

Some components are optional and only available upon request.

COM 1 Mode	JP1/JP2	JP3
RS232 (default)	1-3, 2-4	1-3, 4-6
RS422	3-5, 4-6	3-5, 4-6
RS485	3-5, 4-6	3-5, 2-4

COM 1 Power Select	JP4
Standard RS232 (default)	1-3, 2-4 On
RS232 with Power	3-5, 4-6 On

COM 2 Mode	JP6/JP8	JP10
RS232 (default)	1-3, 2-4	1-3, 4-6
RS422	3-5, 4-6	3-5, 4-6
RS485	3-5, 4-6	3-5, 2-4

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

DIO Power	JP11/13
DIO_PWR	1-2 On
GND	2-3 On

COM 2 Power Select	JP7
Standard RS232 (default)	1-3, 2-4 On
RS232 with Power	3-5, 4-6 On

USB 3 Power Select	JP25
5VDU	1-2 On
5V	2-3 On

AT/ATX Mode	JP26
GND (default)	1-2 On
3V3SB	2-3 On

Pin Assignments for I/O Connectors

COM Ports (COM 1-2)

Pin	Assignment	Pin	Assignment
1	MDCD1-/RS422_RX+ / RS485_D+	2	MSIN1-/RS422_RX- / RS485_D-
3	MSO1-/RS422_TX+	4	MDTR1-/RS422_TX-
5	GND	6	MDSR1-
7	MRTS-	8	MCTS1-
9	MRI-	10	----

SMBus (J12)

Pin	Assignment	Pin	Assignment
1	3V3DU	2	GND
3	SMB_CLK_RESUME	4	SMB_DATA_RESUME
5	SMBALERT_PCH-	6	--

Digital IO Power (J1)

Pin	Assignment	Pin	Assignment
1	+12V	2	GND
3	5VDU	4	5V

Case Open (SOJ2)

Pin	Assignment	Pin	Assignment
1	CASEOPEN-	2	GND

Front Audio (AUJ2)

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

S/PDIF (AUJ1)

Pin	Assignment	Pin	Assignment
1	5V	4	GND
2	---	5	SPIN
3	SPOUT		

SYSTEM FAN1/2/3 (J17/J22/J30)

Pin	Assignment	Pin	Assignment
1	GND	2	PWM
3	TACH	4	

CPU FAN (J8)

Pin	Assignment	Pin	Assignment
1	GND	2	12V
3	RPM	4	CTRL
5	N.C.	6	--

LPC (J21)

Pin	Assignment	Pin	Assignment
1	CLK	2	LAD1
3	RST#	4	LAD0
5	FRAME#	6	VCC3
7	LAD3	8	GND1
9	LAD2	10	---
11	SERIRQ	12	GND2
13	5VSB	14	5V

Front Panel (J18)

Pin	Assignment	Pin	Assignment
1	N.C.	2	V_SUS_LED
3	3V3	4	V_SUS_LED
5	HD_LED	6	SUS_LED
7	GND	8	GND
9	SYS_RST	10	PWR_BTN-
11	N.C.	12	---

HDD-LED
PWR-LED
ATX-SW

Digital I/O (J2)

Pin	Assignment	Pin	Assignment
10	D_IOA0_C	11	D_IOA8_C
9	D_IOA1_C	12	D_IOA9_C
8	D_IOA2_C	13	D_IOA10_C
7	D_IOA3_C	14	D_IOA11_C
6	D_IOA4_C	15	D_IOA12_C
5	D_IOA5_C	16	D_IOA13_C
4	D_IOA6_C	17	D_IOA14_C
3	D_IOA7_C	18	D_IOA15_C
2	GND	19	GND
1	GND		---

USB2_11/12(UBJ4)

Pin	Assignment	Pin	Assignment
1	SBV6	2	SBV6
3	USBP_C_11N	4	USBP_C_12N
5	USBP_C_11P	6	USBP_C_12P
7	GND	8	GND
9	--	10	N.C.

USB2_13/14(UBJ6)

Pin	Assignment	Pin	Assignment
1	SBV7	2	SBV7
3	USBP_C_13N	4	USBP_C_14N
5	USBP_C_13P	6	USBP_C_14P
7	GND	8	GND
9	--	10	N.C.

**USB 3.2 (USB 5/6)
USB 3.2 (USB 9/10)**

Pin	Assignment	Pin	Assignment
10	5V	11	USBP_C_10P
9	USBP_C_9P	12	USBP_C_10N
8	USBP_C_9N	13	GND
7	GND	14	USB3_TX10_DP
6	USB3_TX9_DP	15	USB3_TX10_DN
5	USB3_TX9_DN	16	GND
4	GND	17	USB3_RX10_DP
3	USB3_RX9_DP	18	USB3_RX10_DN
2	USB3_RX9_DN	19	SBV5
1	SBV5	20	--

USB 3.2 (USB 5/6)

Pin	Assignment	Pin	Assignment
10	5V	11	USBP_C_10P
9	USBP_C_9P	12	USBP_C_10N
8	USBP_C_9N	13	GND
7	GND	14	USB3_TX10_DP
6	USB3_TX9_DP	15	USB3_TX10_DN
5	USB3_TX9_DN	16	GND
4	GND	17	USB3_RX10_DP
3	USB3_RX9_DP	18	USB3_RX10_DN
2	USB3_RX9_DN	19	SBV5
1	SBV5	20	--

InnoAGE HDR1 (JP24)

Pin	Assignment	Pin	Assignment
1	PCRST#	2	RECOV#
3	PWRLED#	4	HDDLED#
5	PWRBTN#	6	GND

InnoAGE HDDPWR (CN37)

Pin	Assignment	Pin	Assignment
1	+12V_SATA	2	GND
3	GND	4	5V_SATA

LAN LED (ETJ2, optional)

Pin	Assignment	Pin	Assignment
1	GBE_LED_1000-	2	GBE_LED_100-
3	GBE_LED_LINK_ACT-	4	3V3DU
5	LINK_1000_2	6	LINK_100_2
7	LINK_ACTIVITY_2	8	3V3DU