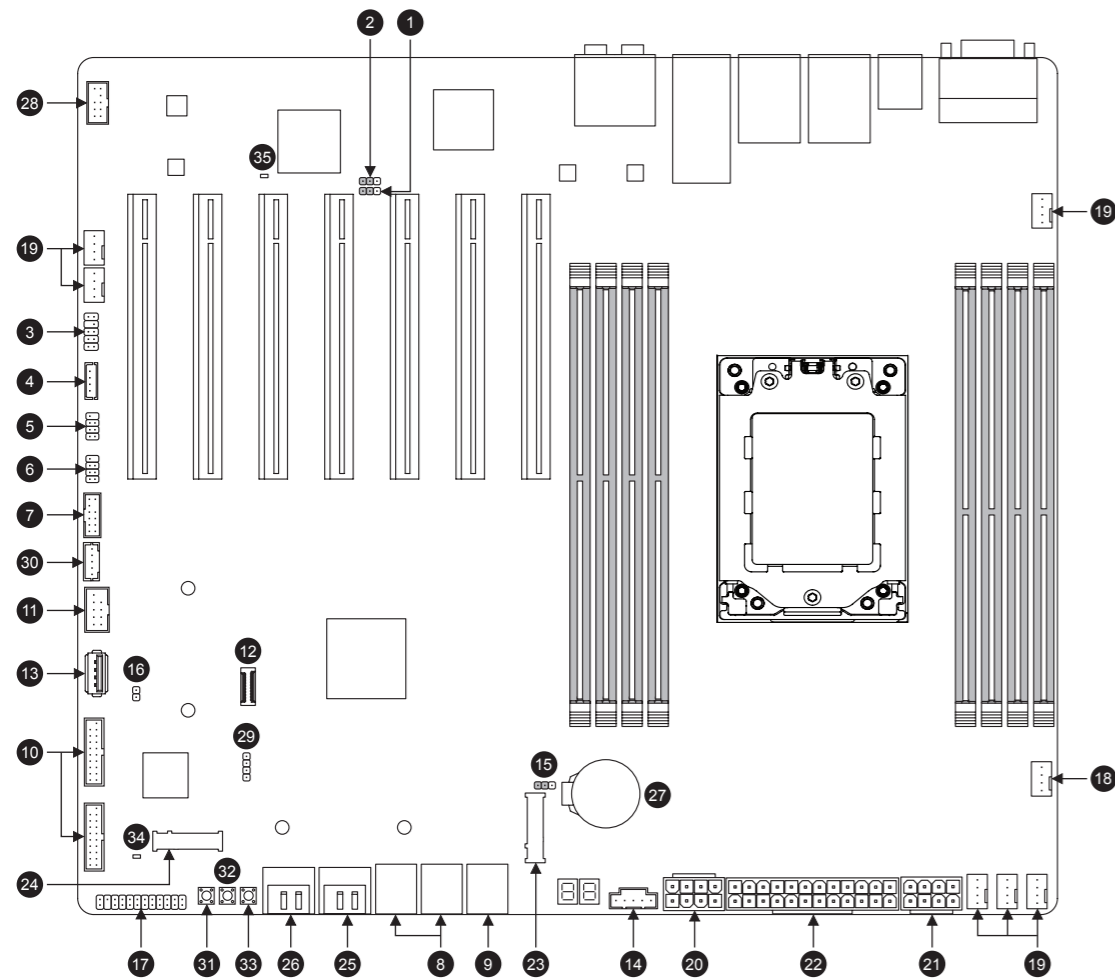


GA-WRX80-SU8-IPMI Quick Installation Guide/ 快速安装指南



1	BMC_VGA	18	CPU_FAN1
2	BMC_WATCHD	19	SYS_FAN1~6
3	COM2	20	ATX_CPU
4	SMB_IPMB	21	ATX_PCIE
5	I_SGPIO1	22	ATX
6	I_SGPIO2	23	P_X4_M2_A
7	TPM	24	P_X4_M2_B
8	SL_CN1/CN2	25	SATA_0_1
9	SL_CN3	26	SATA_2_3
10	FUSB30_1/2	27	BAT
11	FUSB2	28	F_AUDIO
12	F_USB32C	29	SPEAKER
13	USB30V	30	TBT
14	PMBUS	31	PWR_SW
15	CLR_CMOS	32	RST_SW
16	CI	33	QF_SW
17	F_PANEL	34	F_LED1
		35	BMC_LED1

Jumpers, Connectors, and LEDs/ 跳线, 连接器, 指示灯

1) BMC_VGA

Pin	Definition
1-2	Enable (Default)
2-3	Disable

2) BMC_WATCHD

Pin	Definition
1-2	Enable
2-3	Disable (Default)

3) COM2

Pin	Definition	Pin	Definition
1	NDCCD-	2	NSIN
3	NSOUT	4	NDTR-
5	GND	6	NDSR-
7	NRTS-	8	NCTS-
9	NRI-	10	-

4) SMB_IPMB

Pin	Definition
1	SMB_DATA
2	GND
3	SMB_CLK
4	NA

5) I_SGPIO1 (For SATA_0_1) 6) I_SGPIO2 (For SATA_2_3)

Pin	Definition	Pin	Definition
1	NA	2	-
3	SATA_DATA	4	GND
5	GND	6	SATA_LOAD
7	NA	8	SATA_CLK

7) TPM (Trusted Platform Module/Port 80 Header)

Pin	Definition	Pin	Definition
1	LPC_IO0	2	P3V3
3	LPC_IO1	4	-
5	LPC_IO2	6	TPM_CLK
7	LPC_IO3	8	GND
9	LFRAME#	10	NA
11	SERIRQ	12	TPM_RST

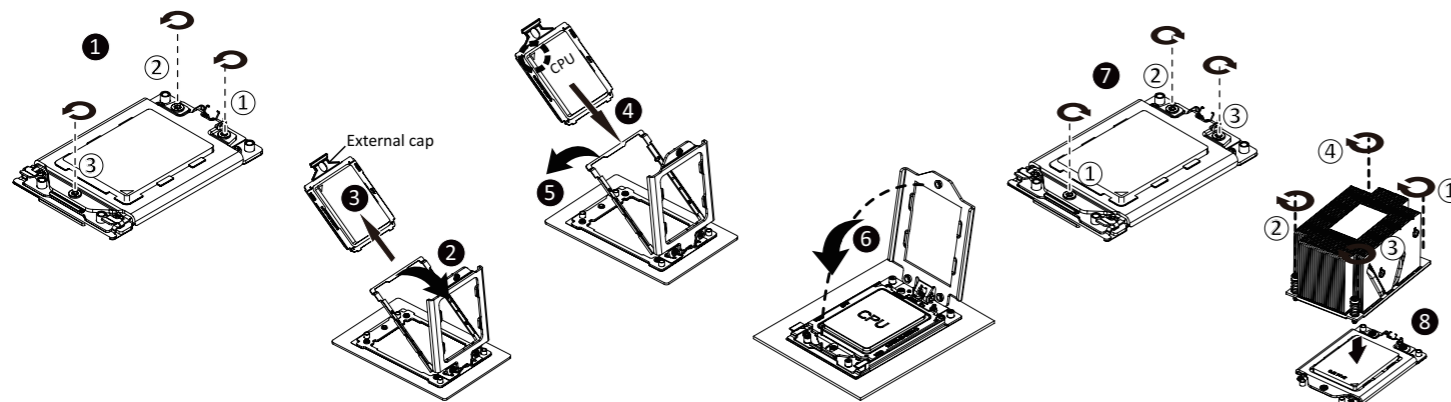
8) SL_CN1/SL_CN2

Pin	Definition	Pin	Definition
B1	GND	A1	GND
B2	Tx0+/SATA1_TX+	A2	Rx0+/SATA1_RX+
B3	Tx0-/SATA1_TX-	A3	Rx0-/SATA1_RX-
B4	GND	A4	GND
B5	Tx1+/SATA2_TX+	A5	Rx1+/SATA2_RX+
B6	Tx1-/SATA2_TX-	A6	Rx1-/SATA2_RX-
B7	GND	A7	GND
B8	SB0	A8	SB7
B9	SB1	A9	SB4
B10	SB2	A10	SB3
B11	SB5	A11	Clock+
B12	SB6	A12	Clock-
B13	GND	A13	GND
B14	Tx2+/SATA3_TX+	A14	Rx2+/SATA3_RX+
B15	Tx2-/SATA3_TX-	A15	Rx2-/SATA3_RX-
B16	GND	A16	GND
B17	Tx3+/SATA4_TX+	A17	Rx3+/SATA4_RX+
B18	Tx3-/SATA4_TX-	A18	Rx3-/SATA4_RX-
B19	GND	A19	GND

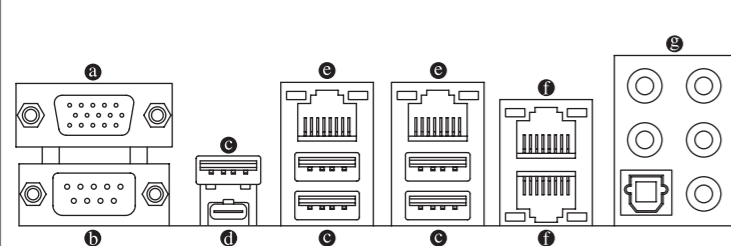
9) SL_CN3

Pin	Definition	Pin	Definition
B1	GND	A1	GND
B2	Tx0+	A2	Rx0+
B3	Tx0-	A3	Rx0-
B4	GND	A4	GND
B5	Tx1+	A5	Rx1+
B6	Tx1-	A6	Rx1-
B7	GND	A7	GND
B8	SB0	A8	SB7
B9	SB1	A9	SB3
B10	SB8	A10	SB9
B11	SB2	A11	SB4
B12	SB6	A12	SB5
B13	GND	A13	GND
B14	Tx2+	A14	Rx2+
B15	Tx2-	A15	Rx2-
B16	GND	A16	GND
B17	Tx3+	A17	Rx3+
B18	Tx3-	A18	Rx3-
B19	GND	A19	GND

Installing the CPU and Heatsink/ 安装处理器与散热器



Back Panel Connectors/ 后窗接口



a	D-Sub Port
b	COM Port
c	USB 3.2 Gen 2 Type-A Port (Red)
d	USB Type-C™ Port, with USB 3.2 Gen 2 support
e	GbE LAN Port (LAN1~2)
f	10 GbE LAN Port
g	Audio Jacks

GbE LAN Port LEDs:

LED	State	Description
Link (Right)	Solid Green	100 Mbps
Activity (Left)	Solid Amber	1 Gbps
Activity (Left)	Blinking Yellow	Active

10 GbE LAN Port LEDs:

LED	State	Description
Link (Right)	Solid Amber	10 Gbps
Activity (Left)	Solid Green	1 Gbps
Activity (Left)	Blinking Yellow	Active

10) FUSB30_1/FUSB30_2 (USB 3.2 Gen 1 Headers)

Pin	Definition	Pin	Definition
1	VBUS	11	D2+
2	SSRX1-	12	D2-
3	SSRX1+	13	GND
4	GND	14	SSTX2+
5	SSTX1-	15	SSTX2-
6	SSTX1+	16	GND
7	GND	17	SSRX2+
8	D1-	18	SSRX2-
9	D1+	19	VBUS
10	NC	20	-

11) FUSB2 (USB 2.0/1.1 Header)

Pin	Definition
1	Power (5V)
2	Power (5V)
3	USB DX-
4	USB DY-
5	USB DX+
6	USB DY+
7	GND
8	GND
9	-
10	NC

12) F_USB32C (USB Type-C™ Header with USB 3.2 Gen 2 Support)

Pin	Definition	Pin	Definition
1	VBUS	11	VBUS
2	TX1+	12	TX2+
3	TX1-	13	TX2-
4	GND	14	GND
5	RX1+	15	RX2+
6	RX1-	16	RX2-
7	VBUS	17	GND
8	CC1	18	D-
9	SBU1	19	D+
10	SBU2	20	CC2

13) USB30V (USB 3.2 Gen 1 Connector)



14) PMBUS (Power supply I2C Connector)



Pin	Definition
1	SMB_CLK
2	SMB_DATA
3	PSU_ALERT
4	GND
5	P3V3

15) CLR_CMOS

Pin	Definition
1-2	NA (Default)
2-3	Clear CMOS

16) CI



Pin	Definition
1	Intrusion Input
2	GND

17) F_PANEL



Pin	Definition	Pin	Definition
1	Power LED+	2	5V Standby
3	-	4	ID LED+
5	Power LED-	6	ID LED-
7	HDD LED+	8	System Status LED+
9	HDD LED1	10	System Status LED-
11	Power Button	12	LAN1 Active LED+
13	GND	14	LAN1 Link LED-
15	Reset Button	16	SMBus Data
17	GND	18	SMBus Clock
19	ID Button	20	Case Open
21	GND	22	LAN2 Active LED+
23	NMI Switch	24	LAN2 Link LED-



12QC1-WX8SU8-0GR

Box Contents

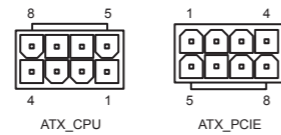
- GA-WRX80-SU8-IPMI motherboard
- Motherboard driver disc
- Quick Installation Guide
- Four SATA cables
- I/O Shield

Jumpers, Connectors, and LEDs/ 跳线, 连接器, 指示灯

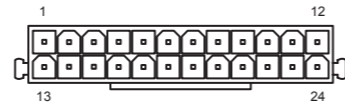
18) CPU_FAN1 19) SYS_FAN1~6

Pin	Definition
1	GND
2	P12V
3	FAN_TACH
4	FAN_PWM

20/21) ATX_CPU/ATX_PCIE (2x4, 12V Power Connectors)



22) ATX (2x12 Main Power Connector)



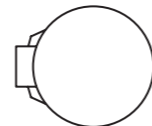
23/24) P_X4_M2_A/P_X4_M2_B (M.2 Socket 3 Connectors)



25/26) SATA_0_1/SATA_2_3 (SATA 6Gb/s Connectors)



27) BAT



28) F_AUDIO

Pin	Definition	Pin	Definition
1	MIC2_L	2	GND
3	MIC2_R	4	NC
5	LINE2_R	6	Sense
7	FAUDIO_JD	8	No Pin
9	LINE2_L	10	Sense

29) SPEAKER

Pin	Definition
1	5V
2	NA
3	NA
4	SPK-

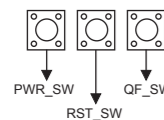
30) TBT (Thunderbolt™ Pin Header)

Pin	Definition
1	FORCE_POWER
2	SCI_EVENT
3	SLP_S3
4	SLP_S4
5	GND

31) PWR_SW (Power Button)

32) RST_SW (Reset Button)

33) QF_SW (Q-Flash Plus Button)



34) F_LED1 (Onboard Power LED)

State	Description
Solid Red	Standby
Solid Green	Power On

35) BMC_LED1 (BMC Heartbeat LED)

State	Description
Blinking Green	BMC Normal

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For product-related information, check on our website at: <https://www.gigabyte.com>

GIGABYTE Giga-Byte Technology B.V.
Declaration of Conformity

We, Manufacturer/Importer,
Giga-Byte Technology B.V.
Address: Steenoven 24, 5626 DK, Eindhoven, The Netherlands
Declare that the product
Product Type: Server board
Product Name: GA-WRX80-SUS-IPMI
conforms with the essential requirements of the following directives:

EMC Directive 2014/53/EU:
 Conduction & Radiated Emissions: EN 55032:2012+AC:2013
 Immunity: EN 55024:2010+A1:2015
 Power-line harmonics: EN 61000-3-2:2014
 Power-line flicker: EN 61000-3-3:2013

Low Voltage Directive 2014/35/EU:
 Safety: EN60950-1:2006+A11:2009+A12:2011+A2:2013

RoHS Directive 2011/65/EU:
 Restriction of use of certain substances in electronic equipment: This product does not contain any of the restricted substances listed in Annex II, in concentrations and applications banned by the directive.

CE marking

Signature:
Date: Dec. 11, 2020 Name: Lien, Chih-Hsin

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Steenoven 24, Fax: +31 40 2902089 V.A.T. number: NL809893265801
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USD : CITIBANK TAIWAN SWIFT: CITITWXX Account: 5049120518
EURO : CITIBANK AMSTERDAM SWIFT: CITINL2X IBAN: NL70011026022850

Federal Communications Commission
Supplier's Declaration of Conformity

This supplier's declaration of conformity is hereby for
Product: SERVER BOARD
Model Number(s): GA-WRX80-SUS-IPMI
Brand/Trade: GIGABYTE

We declare under our sole responsibility that the above mentioned device has been tested and found in compliance with CFR 47 PART 15 REGULATION.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND,
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

Responsible Party – U.S. Contact Information
Company: G.B.T.INC. (U.S.A)
Address: 17358 Railroad Street City of Industry, CA 91748
Country: U.S.A.
Telephone No: (626)854-9338 / (626)854-9326
Name: Eric Lu Title: General Manager
Signature: Date: Dec. 11, 2020

Representative of Responsible Party for SDoC
Company: G.B.T.INC. (U.S.A)
Address: 17358 Railroad Street City of Industry, CA 91748
Country: U.S.A.
Telephone No: (626)854-9338 / (626)854-9326
Name: Eric Lu Title: General Manager
Signature: Date: Dec. 11, 2020

BSMI CNS15663 限用物質含有情況標示聲明書 Declaration of the Presence Condition of the Restricted Substances Marking

設備名稱: 伺服器主機板 Equipment name	型號 (型式): GA-WRX80-SUS-IPMI Type designation (Type)					
	限用物質及其化學符號 Restricted substances and its chemical symbols					
單元/Unit	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁶⁺)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
PCB板 PCB	○	○	○	○	○	○
結構件及風扇 Mechanical parts and Fan	—	○	○	○	○	○
晶片及其他主動零件 Chip and other Active components	—	○	○	○	○	○
連接器 Connectors	—	○	○	○	○	○
被動電子元件 Passive Components	—	○	○	○	○	○
焊接金屬 Soldering metal	○	○	○	○	○	○
助焊劑、散熱膏、標籤及其他耗材 Flux, Solder Paste, Label and other Consumable Materials	○	○	○	○	○	○

備考1: "超出0.1 wt%"及"超出0.01 wt%"係指限用物質之百分比含量超出百分比含量基準值。
Note 1: "Exceeding 0.1 wt%" and "exceeding 0.01 wt%" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.
備考2: "○"係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2: "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.
備考3: "—"係指該項限用物質為豁免項目。
Note 3: The "-" indicates that the restricted substance corresponds to the exemption.

关于符合中国《电子信息产品污染控制管理办法》的声明 Management Methods on Control of Pollution from Electronic Information Products (China RoHS Declaration)

产品中有害物质的名称及含量
Hazardous Substances Table

部件名称(Parts)	有害物质(Hazardous Substances)					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
PCB板 PCB	○	○	○	○	○	○
结构件及风扇 Mechanical parts and Fan	×	○	○	○	○	○
芯片及其他主动零件 Chip and other Active components	×	○	○	○	○	○
连接器 Connectors	×	○	○	○	○	○
被动电子元件 Passive Components	×	○	○	○	○	○
线材 Cables	○	○	○	○	○	○
焊接金属 Soldering metal	○	○	○	○	○	○
助焊剂、散热膏、标签及其他耗材 Flux, Solder Paste, Label and other Consumable Materials	○	○	○	○	○	○

These tables are prepared in accordance with the provisions of SJ/T 11364
本表格依据SJ/T 11364的规定编制。
○: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572.
表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。
×: The content of such hazardous substance in a certain homogeneous material of such component is beyond the limit required by GB/T 26572.
表示该有害物质在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。



Contact Us

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