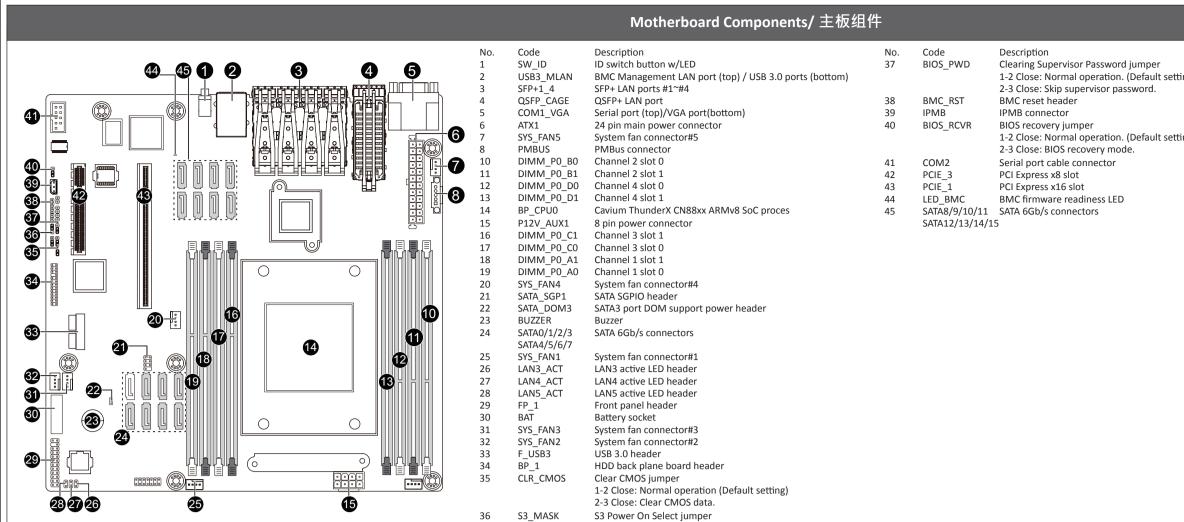
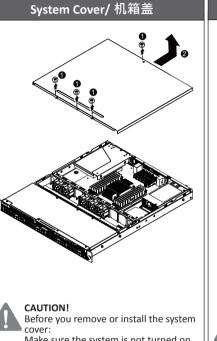
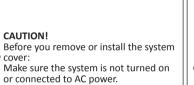
R120-T30 Quick Installation Guide/R120-T30 快速安装说明



			Front Panel Hea	ider/	前面板接头
ting)	2423	No. 1 3 5 7 9 11 13 15 17 19 21 23	Pin Define Power LED+ No Pin Power LED- HDD LED+ HDD LED- Power Button GND Reset Button+ GND ID Switch+ ID Switch- NMI Switch-	No. 2 4 6 8 10 12 14 16 18 20 22 24	Pin Define 5V Standby ID LED+ ID LED- System Front Board LED+ System Status LED- LAN1 Active LED+ LAN1 Link LED- SMBus Data SMBus Clock Case Open LAN2 Active LED LAN2 Link LED-

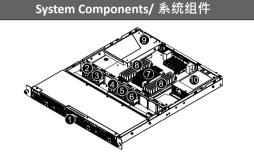
HDD	Back	Plane Board He	ader/	接硬盘驱动器头
	No.	Pin Define	No.	Pin Define
1 2	1	BP_SGP_CLK	2	No Connect
	3	BP SGP GLD	4	FAN_SGP_Gate
	5	BP SGP DOUT	6	GND
	7	Key Pin	8	Reset
	9	GND	10	BP_LED_A_N
	11	BP LED G N	12	GND
	13	BP SGP DIN	14	No Connect
	15	GND	16	SMB_BP_DATA
	17	GND	18	SMB_BP_CLK
25.26	19	P 3V3 AUX	20	BMC_ACK
2320	21	P_3V3_AUX	22	BMC_REQ
	23	GND	24	Key Pin
	25	BP_PRESENSE	26	GND





在卸下或安装系统机盖之前,请注意

确保系统未开启且未连接到交流电源



Description HDD bays System fan #14 (FAN14) System fan #12 (FAN12)

System fan #8 (FAN8) System fan #6 (FAN6) System fan #4 (FAN4) CPU heat sink Memory slots PCIe riser bracket

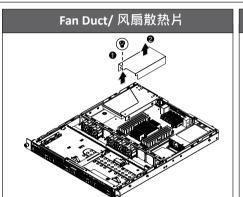
Power supply cage

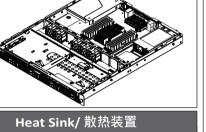
To connect system fan connector, follow the instruction:

10

Blue/Red cable connect to odd numbered connector. White/Amber cable connect to even numbered connector.

● 蓝/红电缆连连接于单数风扇插座。 ● 白/橘电缆连连接于双数风扇插座。





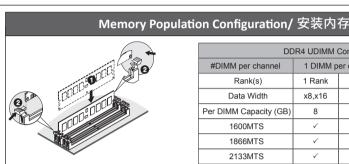
1-2 Close: Stop an initial power on when BMC is not ready. 2-3 Close: Keep initial power on. (Default setting)

Before you remove or install the system fan:

System Fan/ 系统风扇

Make sure the system is not turned on or connected to the AC power. Disconnect all necessary cable connections. warnings could result in personal injury or damage to the equipment.

注意! 确保系统未开机且未连接到交流电源 断开所有必要的线缆连接。若不遵循这些 警告,可能造成人员伤害或设备损坏。

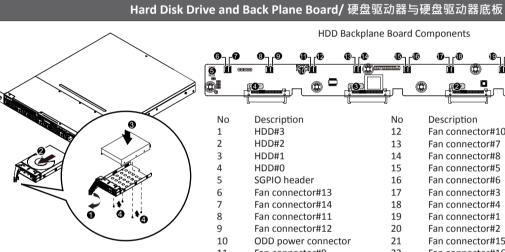


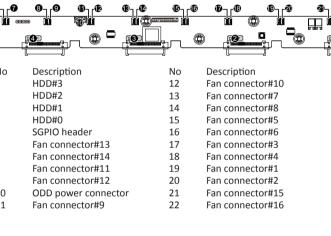
DDR4 UDIMM Configuration							
1 DIMM p	er channel	2 DIMM per channel					
1 Rank	2 Rank	1 Rank	2 Rank				
x8,x16	x8,x16	x8,x16	x8,x16				
8	8,16	8	8,16				
✓	✓	✓	✓				
✓	✓	✓	✓				
✓	✓	√	✓				
	1 DIMM p 1 Rank x8,x16 8	1 DIMM per channel 1 Rank	1 DIMM per channel 2 DIMM per channel 1 Rank 2 Rank 1 Rank x8,x16 x8,x16 x8,x16 8 8,16 8				

DDR4 RDIMM Configuration									
#DIMM per channel	1 DIMM per channel			2 DIMM per channel					
Rank(s)	1 R	ank	2 R	ank	1 R	ank	2 R	ank	
Data Width	x4	x8	x4	x8	x4	x8	x4	x8	
Per DIMM Capacity (GB)	8,16	4,8	16,32	8,16	8,16	4,8	16,32	8,16	
1600MTS	✓	✓	✓	✓	✓	✓	✓	✓	
1866MTS	✓	✓	✓	✓	✓	✓	✓	✓	
2133MTS	✓	✓	✓	✓					

- DIMM must be populated starting from DIMM_P0_A0/DIMM_P0_B0 socket and must be installed in
- One CPU only supports the population of 2/4 (1DPC)/8 (2DPC) in the same time. System will not boot normally with incorrect populated sequence.
- DIMM必须从DIMM_P0_A0//DIMM_P0_B0插槽开始按顺序安装。DIMM必须成对安装。
- 只能支持一個CPU同時上2/4 (1DPC)/8(2DPC)數量的DIMM 若安装顺序有误,系统将无法正常开机

Front & Rear/ 系统前部与后部概览





HDD Backplane Board Components

Before you remove or install the power supplies: Make sure the system is not turned on or connected to AC power 在替换或安装电源前,请注意下列事项:

确保系统未开启且未连接到交流电源。

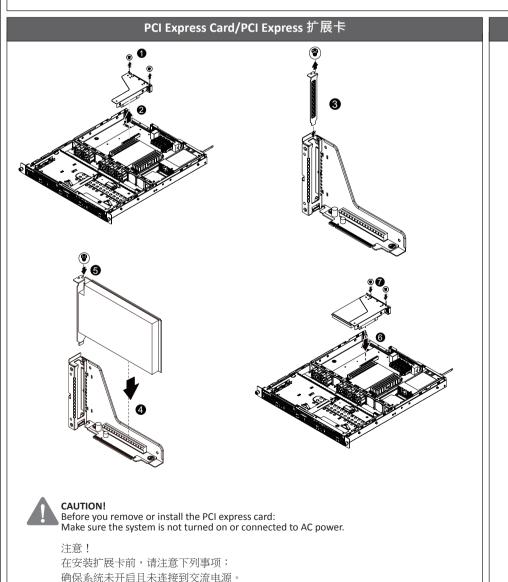
Power Supply/ 电源

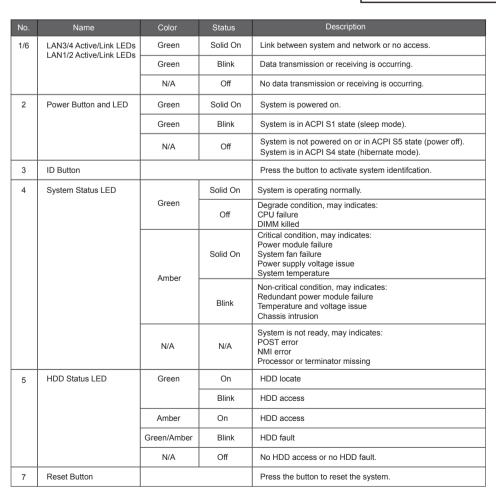
System Front View Description ID button w/LED Power button w/LED HDD bays System Rear View 0 0 0 0 0 0 0 0 0 Power supply module cord socket Power supply fan VGA port Serial port QSPF+ LAN port SPF+ LAN ports 10/100/1000 Server management LAN port USB 3.0 ports ID switch button w/LED

PCIe riser card bay

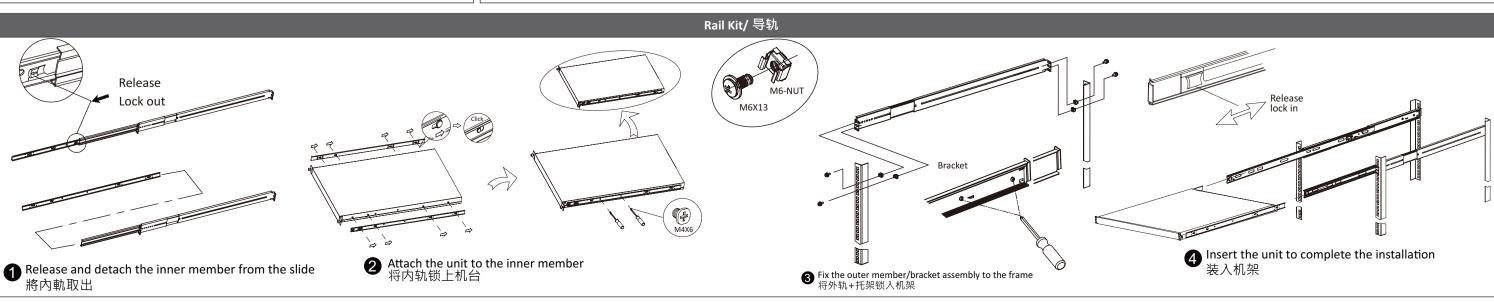
Front Panel LED and Buttons/ 前面板 LED 说明

•	Speed	LED Link/Activity LED	Present LED Link LED			
	10/100/1000	LAN LED:	QSFP+ LAN L	ED:		
	State	Description	State	Description		
	Yellow On	1Gbps data rate	Green On	40 Gbps data rate		
	Green On	100Mbps data rate	Yellow On	10 Gbps data rate		
_	Off	10Mbps data rate	SFP+ LAN LED			
•	Dower button	/I ED:	State	Description		
		utton/LED: Yellow On 1 Gbps data rate				
	State	Description	Green On	10 Gbps data rate		
	Green On	System is powered on				
	Off	System is powered off	Link/Activity LED:			
	ID button /I C	D.	State	Description		
	ID button/LE State	Description	Green On	Link between system and network		
	Blue On	System identification is active.	Blink	LAN is active		
	Off	System identification is disabled.				





	名称	颜色	状态	说明				
6	LAN3/LAN4活动LED	绿色	恒亮	系统和网络之间的链接				
	LAN1/LAN2活动LED	绿色	闪烁	网络访问				
		无亮灯	不亮	断开连接/待机				
	电源按钮和LED	绿色	恒亮	系统处于开机状态。				
		绿色	闪烁	系统处于ACPI S1状态(睡眠模式)。。				
		无亮灯	不亮	系统未开机或处于ACPIS5状态(关机状态)。 系统处于ACPI S4状态(休眠模式)。				
3	ID按钮			按下按钮启动系统识别功能。				
4	系统状态LED			系统正常运行。				
		绿色	不亮	效能降低情形,可能为下列状况: 处理器问题 内存问题				
		橙色	恒亮	严重情形,可能为下列状况: 电源模块故障 系统风扇故障 电源电压问题 系统温度/电压问题				
		19.6	闪烁	非严重情形,可能为下列状况: 冗余电源模块故障 系统温度/电压问题 机箱侵入				
		无亮灯	不亮	系统未正常运行,可能为下列状况: POST错误 NMI错误 处理器或终结器缺失				
6	硬盘驱动器LED	绿色	亮	硬盘驱动器定位				
		77.	闪烁	硬盘驱动器访问				
		橙色	亮	硬盘驱动器访问				
		绿色/橙色	闪烁	硬盘故障				
		无亮灯	不亮	无硬盘驱动器访问				
7	复位按钮			按此按钮启动系统。				



WEEE Symbol Statement



The symbol shown below is on the product or on its packaging, which indicates that this product must not be disposed of with other waste. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local government office, your household waste disposal service or where you purchased the product for details of environmentally safe recycling.

- When your electrical or electronic equipment is no longer useful to you, "take it back" to your local or regional waste collection administration for recycling.
- If you need further assistance in recycling, reusing in your "end of life" product, you may contact us at the Customer Care number listed in your product's user's manual and we will be glad to help you with your effort.

Restriction of Hazardous Substances (RoHS) Directive Statement

GIGABYTE products have not intended to add and safe from hazardous substances (Cd, Pb, Hg, Cr+6, PBDE and PBB). The parts and components have been carefully selected to meet RoHS requirement. Moreover, we at GIGABYTE are continuing our efforts to develop products that do not use internationally banned toxic chemicals.

限制使用有害物质 (RoHS) 指令声明

GIGABYTE产品未故意添加和使用有害物质($Cd \cdot Pb \cdot Hg \cdot Cr + 6 \cdot PBDE$ 和PBB)。所有部件和元件均经过严格挑选,符合RoHS要求。此 外,我们GIGABYTE一直致力于开发不使用国际上禁止的有毒化学品的产品。

California Proposition 65 Warning

WARNING:

This product contains a chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, please visit: http://www.p65warnings.ca.gov/



Battery Warning:

Incorrectly installing a battery or using incompatible battery may increase the risk of ifre explosion. Replace the battery only with the same or equivalent type.

- Do not disassemble, crush, punchture batteries.
- Do not store or place your battery pack next to or in a heat source such as a fire, heatgenerating appliance, can or exhaust vent. Heating battery cells to temperatures above 65oC (149oF) can cause explosion or fire.
- Do not attempt to open or service batteries. Do not dispose of batteries in a fire or with household waste.



- 电池安装不当或使用不兼容的电池会增加火灾爆炸风险。更换电池时,只可使用相同或同等类型的电池。
- 请勿拆解、挤压、刺破电池。
- 请勿将电池存放或放置在热源中或旁边,如火源、产生热的设备、罐体或排气口。电池温度升至65oC (149oF)以上 可能导致爆炸或火灾。
- 请勿尝试打开或维修电池。电池废弃时,请勿投入火中或者作为家庭废弃物进行处理

中华人民共和国电子信息产品中有毒有害物质或元素的名称及含量标识格式

依照中华人民共和国的有毒有害物质的限制要求(China RoHS)提供以下的表格:



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

产品中有毒有害物质或元素的名称及含量

Hazardous Substances Table 有毒有害物质或元素(Hazardous Substances)								
部件名称(Parts)	铅(Pb)	有毎有書 汞(Hg)	物质蚁兀 镉(Cd)	KHazardou: 六价铬 (Cr(VI))	s Substance 多溴联苯 (PBB)	s) 多溴二苯醚 (PBDE)		
PCB板 PCB	0	0	0	0	0	0		
结构件及风扇 Mechanical parts and Fan	×	0	0	0	0	0		
芯片及其他主动零件 Chip and other Active components	×	0	0	0	0	0		
连接器 Connectors	×	0	0	0	0	0		
被动电子元器件 Passive Components	×	0	0	0	0	0		
线材 Cables	0	0	0	0	0	0		
焊接金属 Soldering metal	0	0	0	0	0	0		
助焊剂,散热膏,标签及其他耗材 Flux,Solder Paste,Label and other Consumable Materials	0	0	0	0	0	0		

:表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006标准规定的限量要求。 Indicates that this hazardous substance contained in at least one of the homogenous material of this part is above the limit requirement in SJ/T 11363-2006

对销售之日的所受售产品,本表显示我公司供应链的电子信息产品可能包含这些物质。注意:在所售产品中 可能会也可能不会含有所有所列的部件。

This table shows where these substances may be found in the supply chain of our electronic information products, as of the date of the sale of the enclosed products. Note that some of he component types listed above may or may not be a part of the enclosed product.

Ambient Operation

This equipment should not be operated above an ambient operation temperature of 35 degrees centigrade.

Restricted Access Location

This server is intended for installation only in restricted access locations where

• Access can only be gained by SERVICE PERSONS who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

. Access is through the use of a TOOL or lock and key, or other means of security, and is controlled by the authority responsible for the location.

The system may have more than one power supply cable. To reduce the risk of electrical shock, a trained service technician may need to disconnect all power supply cables before servicing the system

Power Supply

CAUTION: The power supplies in your system may produce high voltages and energyhazards, which can cause bodily harms. Unless you are instructed otherwise, only trained service technicians are authorized to remove the covers and access any of the components inside the system.

Reliable Earthing:

CAUTION: Do not connect of disconnect any cables or perform installation, maintenance, or reconfiguration of this server during an electrical storm **CAUTION:** Connect all power cords to a properly wired and grounded electrical outlet.

Hazardous FAN

CAUTION: This server contains hazardous moving fan blades, keep fingers and other bodyparts away.

Disconnect all power supply cords before servicing. Connect power supply cord only after all the covers are properly installed.

Hazardous Energy

CAUTION: This server contains hazardous energy over 240VA on the backplane. To prevent accidental short circuit, always insert the HDD trays after servicing.

Rack Mount Instructions

The following or similar rack-mount instructions are included with the installation instructions:

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechani-

D) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

E) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips)."

Disconnect 2 power supply cords before servicing



CAUTION: Slider/rail mounted equipment is not to be used as a shelf or a work space.

FCC Statement

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 undesired operation

CAN ICES-3 (A)/NMB-3(A)



CAUTION: Whenever you need to lift the system, get others to assist you. To avoid injury, do not attempt to lift the system by yourself.

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For more information, visit our website at:

http://b2b.gigabyte.com

You are a professional? Get access to our complete source of sales & marketing materials at:

http://reseller.b2b.gigabyte.com



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