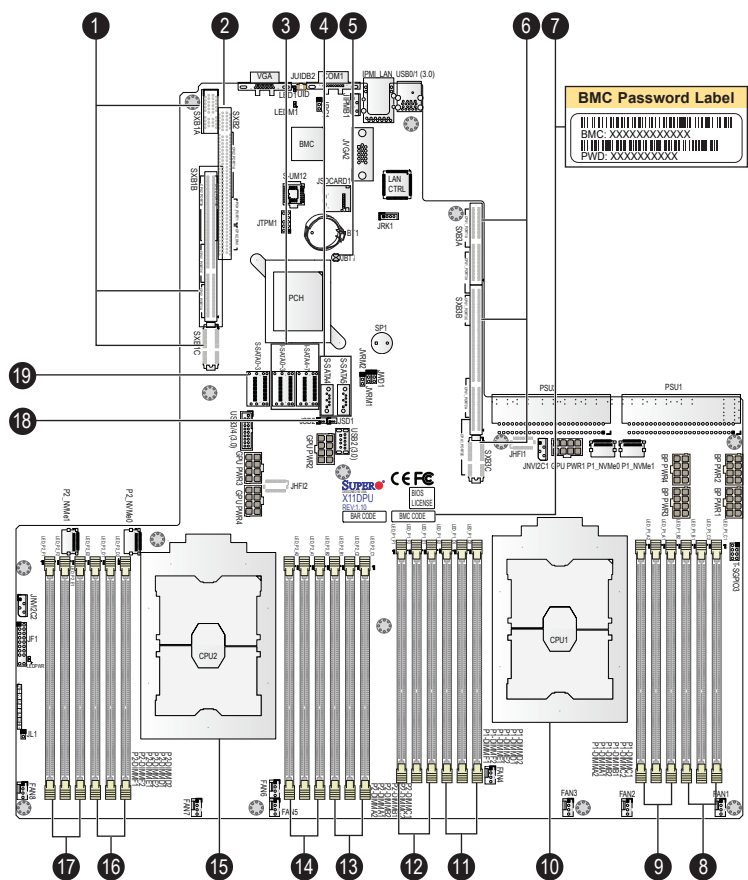


SUPERMICR® SuperServer 6029U-T Quick Reference Guide

Board Layout



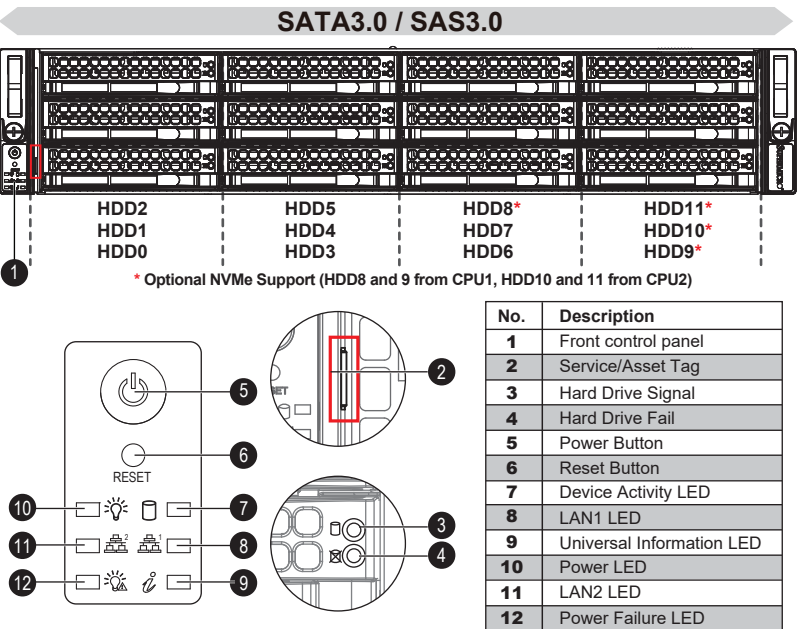
No.	Description
1	SXB1A/1B/1C: Proprietary PCI-e Slot used for WIO-Left Devices (supported by CPU2)
2	SXB2: Proprietary PCI-e Slot for WIO-Right Devices (supported by CPU2)
3	I-SATA0~3, I-SATA4~7: SATA 3.0 Ports (Intel PCH)
4	S-SATA 4, 5: SATA 3.0 Ports (Intel SCU)
5	JBT1: CMOS Clear
6	SXB3A/3B/3C: Proprietary PCI-e Slot for Ultra Riser Devices (supported by CPU1)
7	BMC Password Label
8	P1-DIMMC1(Blue)/P1-DIMMC2/P1-DIMMB1(Blue) slot
9	P1-DIMMB2/P1-DIMMA1(Blue)/P1-DIMMA2 slot
10	CPU1 (Install CPU1 first)
11	P1-DIMMD2/P1-DIMMD1(Blue)/P1-DIMME2 slot
12	P1-DIMME1(Blue)/P1-DIMMF2/P1-DIMMF1(Blue) slot
13	P2-DIMMC1(Blue)/P2-DIMMC2/P2-DIMMB1(Blue) slot
14	P2-DIMMB2/P2-DIMMA1(Blue)/P2-DIMMA2 slot
15	CPU2
16	P2-DIMMD2/P2-DIMMD1(Blue)/P2-DIMME2 slot
17	P2-DIMME1(Blue)/P2-DIMMF2/P2-DIMMF1(Blue) slot
18	JSD1/JSD2: SATA DOM (Device_on_Module) Power Connectors
19	S-SATA0~3: SATA 3.0 Ports (Intel SCU)

Memory Support

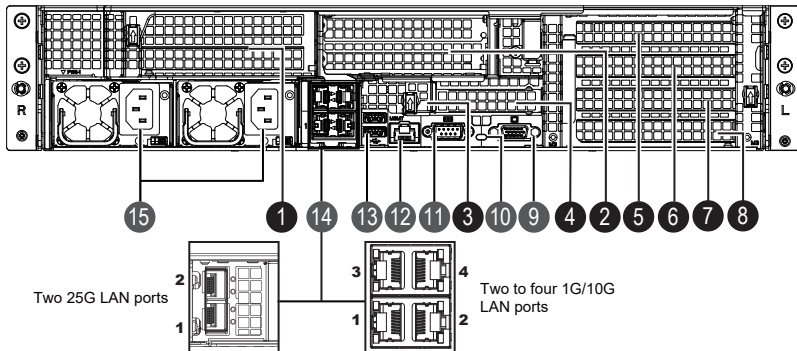
Memory Population Table

When 2 CPUs are used	Memory Population Sequence
2 CPUs & 2 DIMMs	CPU1: P1-DIMMA1 CPU2: P2-DIMMA1
2 CPUs & 4 DIMMs	CPU1: P1-DIMMA1/P1-DIMMD1 CPU2: P2-DIMMA1/P2-DIMMD1
2 CPUs & 6 DIMMs	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1
2 CPUs & 8 DIMMs	CPU1: P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1 CPU2: P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1
2 CPUs & 10 DIMMs	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1 CPU2: P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1
2 CPUs & 12 DIMMs	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1
2 CPUs & 14 DIMMs	CPU1: P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/P1-DIMME2/P1-DIMME1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1
2 CPUs & 16 DIMMs	CPU1: P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/P1-DIMME2/P1-DIMME1 CPU2: P2-DIMMB1/P2-DIMMB2/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/P2-DIMME2/P2-DIMME1
2 CPUs & 18 DIMMs	CPU1: P1-DIMMC1/P1-DIMMC2/P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/ P1-DIMME2/P1-DIMME1/P1-DIMMF2/P1-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMC2/P2-DIMMB1/P2-DIMMB2/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/ P2-DIMME2/P2-DIMME1/P2-DIMMF2/P2-DIMMF1
2 CPUs & 20 DIMMs	CPU1: P1-DIMMC1/P1-DIMMC2/P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/ P1-DIMME2/P1-DIMME1/P1-DIMMF2/P1-DIMMF1 CPU2: P2-DIMMB1/P2-DIMMB2/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/P2-DIMME2/P2-DIMME1
2 CPUs & 22 DIMMs (Unbalanced: not recommended)	CPU1: P1-DIMMC1/P1-DIMMC2/P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/ P1-DIMME2/P1-DIMME1/P1-DIMMF2/P1-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMC2/P2-DIMMB1/P2-DIMMB2/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/ P2-DIMME2/P2-DIMME1/P2-DIMMF2/P2-DIMMF1
2 CPUs & 24 DIMMs	CPU1: P1-DIMMC1/P1-DIMMC2/P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/ P1-DIMME2/P1-DIMME1/P1-DIMMF2/P1-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMC2/P2-DIMMB1/P2-DIMMB2/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/ P2-DIMME2/P2-DIMME1/P2-DIMMF2/P2-DIMMF1

Front view



Rear View



No.	Description	No.	Description
1	Slot 1, PCIe 3.0 x16 slot (FH, 10.5" L) (CPU1)	10	UID Button (Unit Identifier Button)
2	Slot 2, PCIe 3.0 x8 slot (FH, 10.5" L) (CPU1) or 2x 2.5" Hot-Swap Drive Bay*	11	COM Port
3	Slot 3, Internal PCIe 3.0 x8 LP slot (CPU1)*	12	Dedicated LAN for IPMI
4	Slot 4, PCI-E 3.0 x8 LP slot (CPU2)	13	USB 3.0 Ports
5~8	Slot 5~8, PCI-E 3.0 x8 slot (FH, 10.5" L) (CPU2)	14	2-4 LAN Ports (Reference LAN port configuration table)
9	VGA Port	15	Redundant Power Supply Module (See User Manual for LED guidance)

*Slot 2, PCI-E 3.0 x 16 available on E1CR4T model, and disable slot 3

LAN Port Configuration for 6029U-T Series Models

System	LAN Ports	Ultra Riser Card	System	LAN Ports	Ultra Riser Card
SYS-6029U-TR25M	Two 25 GbE	AOC-2UR68-m2TS	SYS-6029U-TRT	Two 10GbBase-T	AOC-2UR68-i2XT
SYS-6029U-TR4	Four GbE	AOC-2UR68-i4G	SYS-6029U-TRTP	Two 10G SFP+	AOC-2UR68-i2XS
SYS-6029U-TR4T	Four 10GbBase-T	AOC-2UR66-i4XTF			

Beep Codes

Beep Code	Error Message	Description
1 beep	Refresh	Circuits have been reset (Ready to power up)
5 short and 1 long	Memory error	No memory detected in the system
5 long and 2 short	Display memory read/write error	Video adapter missing or with faulty memory
1 long continuous	System OH	System overheat condition

Caution

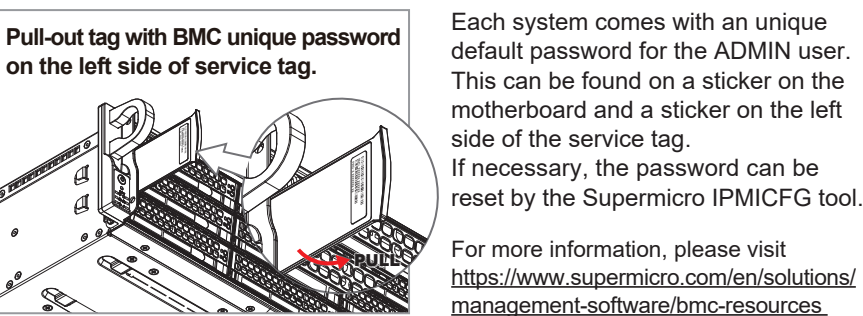
SAFETY INFORMATION
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

WARNING:
To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets. If any CPU socket empty, install protective plastic CPU cap.

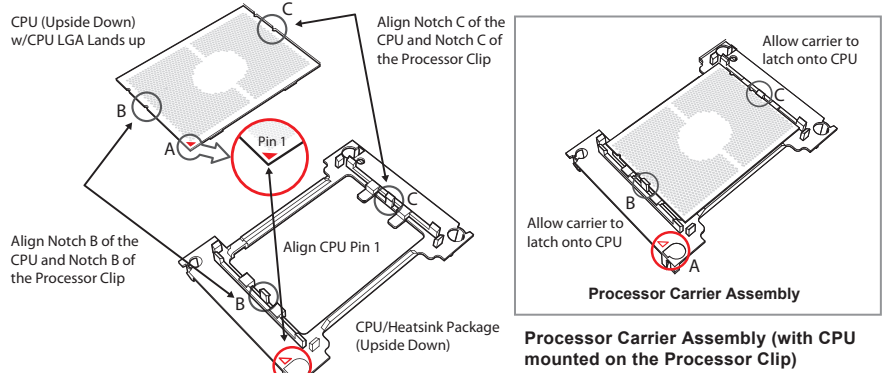
CAUTION:
Always be sure all power supplies for this system have the same power output. If mixed power supplies are installed, the system will not operate.

For more information go to: <http://www.supermicro.com/support>

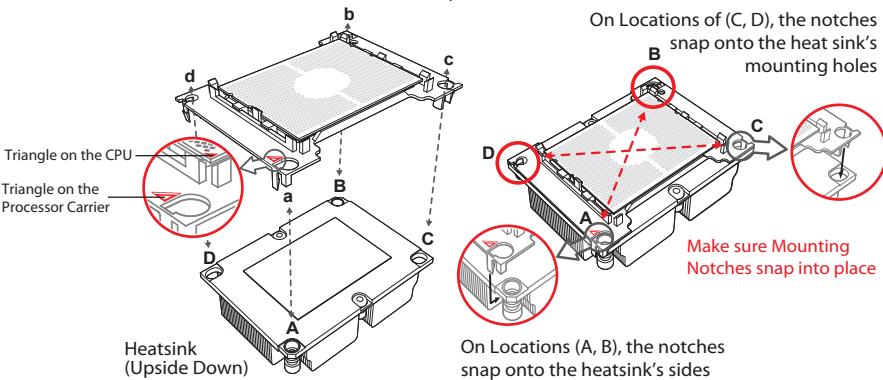
BMC Password Label



CPU Installation



Attaching the Processor Carrier Assembly to the Heatsink to Form the Processor Heatsink Module (PHM)



Removing the Dust Cover from the CPU Socket

Remove the dust cover from the CPU socket, exposing the socket and socket pins as shown on the illustration below.
Note: Do not touch the socket pins to avoid damaging them, causing the CPU to malfunction.

