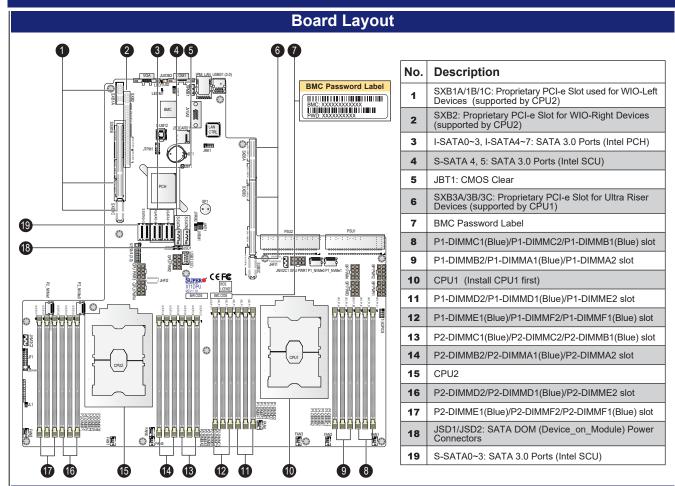
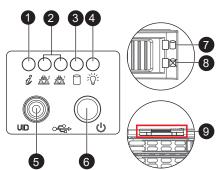
# SUPERMICR SuperServer 1029U-TN10RT Quick Reference Guide



# **Memory Support**

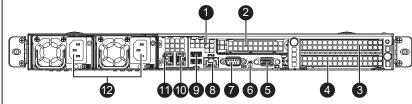
Memory Population Table				
When 2 CPUs are used	Memory Population Sequence			
2 CPUs & 2 DIMMs	CPU1: P1-DIMMA1 CPU2: P2-DIMMA1			
2 CPUs & 4 DIMMs	CPU1: P1-DIMMA1/P1-DIMMD1 CPU2: P2-DIMMA1/P2-DIMMD1			
2 CPUs & 6 DIMMs	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1			
2 CPUs & 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			
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-DIMMB1/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-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1/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-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMC2/P2-DIMMB1/P2-DIMMB2/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/ P2-DIMME2/P2-DIMME1/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			

NVMe (CPU1) HDD 1	NVMe (CPU1) HDD 3	NVMe (CPU1) HDD 5	NVMe* (CPU2) HDD 7	NVMe* (CPU2) HDD 9		
					• °	
NVMe (CPU1) HDD 0	NVMe (CPU1) HDD 2	NVMe (CPU1) HDD 4	NVMe* (CPU2) HDD 6	NVMe* (CPU2) HDD 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
* Optional SAS3/SATA3 support						



No.	Description	
1	Universal Information LED	
2	LAN1 LED & LAN2 LED	
3	Device Activity LED	
4	Power LED	
5	UID Button	
6	Power Button	
7	Device Activity LED	
8	Device Status LED	
9	BMC password label	

## **Rear View**



N	lo.	Description		
	1	Slot 1, N/A		
- 2	2	Slot 2, N/A		
- ;	3	Slot 3, PCI-E 3.0 x16 Slot FH, 10.5"L (CPU2)		
4	4	Slot 4, PCI-E 3.0 x16 Slot FH, 10.5"L (CPU2)		
	5	VGA port		
-	6	UID Button (Unit Identifier Button)		
	7	COM Port		
- 8	8	Dedicated LAN for IPMI		
	9	2x USB 3.0 Ports		
1	10	LAN Port2 (10G Base-T)		
1	11	LAN Port1 (10G Base-T)		
1	12	Redundant Power Supply Module (See user manual for LED guidance)		

# **Beep Codes**

Beep Code	Error Message	Description
1 short	Refresh	Circuits have been reset (Ready to power up)
5 short, 1 long	Memory error	No memory detected in system
5 long, 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

powersupply. http://www.supermicro.com/about/ policies/safety\_information.cfm

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

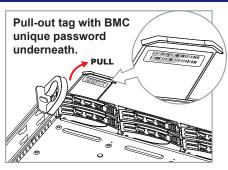
**⚠** WARNING: To reduce risk of electric shock/ damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets If any CPU socket empty, install

the same power output installed, the system will not

Always be sure all power supplies for this system have

⚠ CAUTION:

# **BMC Password Label**



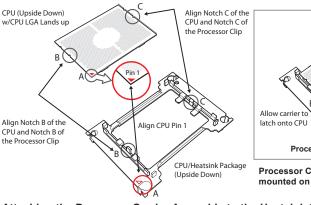
Each system comes with a unique default password for the ADMIN user.

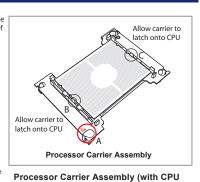
This can be found on a sticker on the motherboard and a sticker underneath the service tag on chassis.

If necessary, the password can be reset by the Supermicro IPMICFG tool.

For more information, please visit https://www.supermicro.com/en/solutions/ management-software/bmc-resources

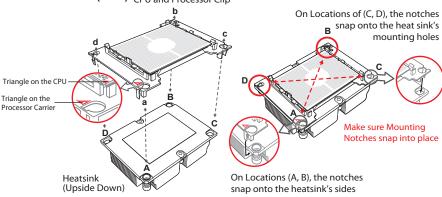
# **CPU Installation**





mounted on the Processor Clip)

# Attaching the Processor Carrier Assembly to the Heatsink to Form the Processor Heatsink Module (PHM) CPU and Processor Clip



#### Removing the Dust Cover from the CPU Socket

socket and socket pins as shown on the illustration below. damaging the LGA lands and the processor Note: Do not touch the socket pins to avoid damaging

Remove the dust cover from the CPU socket, exposing the Note: Do not use excessive force when tightening the screws to avoid

Installing the Processor Heatsink Module (PHM)

