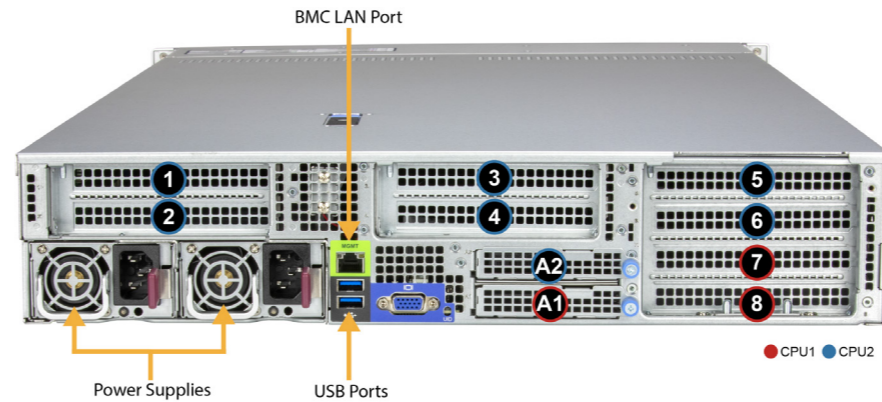


SUPERMICR[®] SuperServer[®] SYS-222HA-TN Quick Reference Guide

Front Features



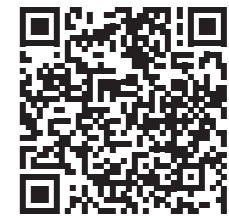
Rear Features



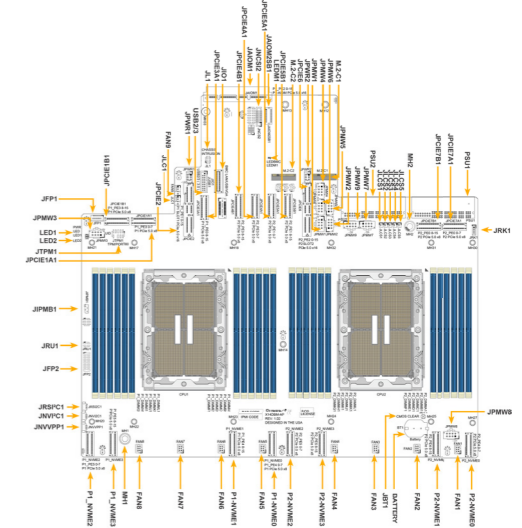
BMC Password

Each system comes with a unique default password for the ADMIN user. This can be found on a sticker on the motherboard and another on the chassis service tag. If necessary, the password can be reset.
For more information, please visit <https://www.supermicro.com/en/solutions/management-software/bmc-resources>

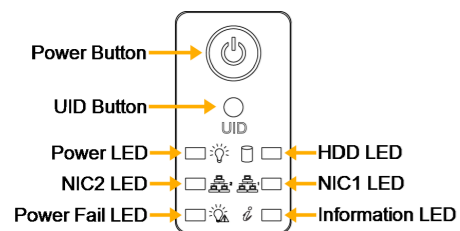
System Specifications



Motherboard Layout



Control Panel



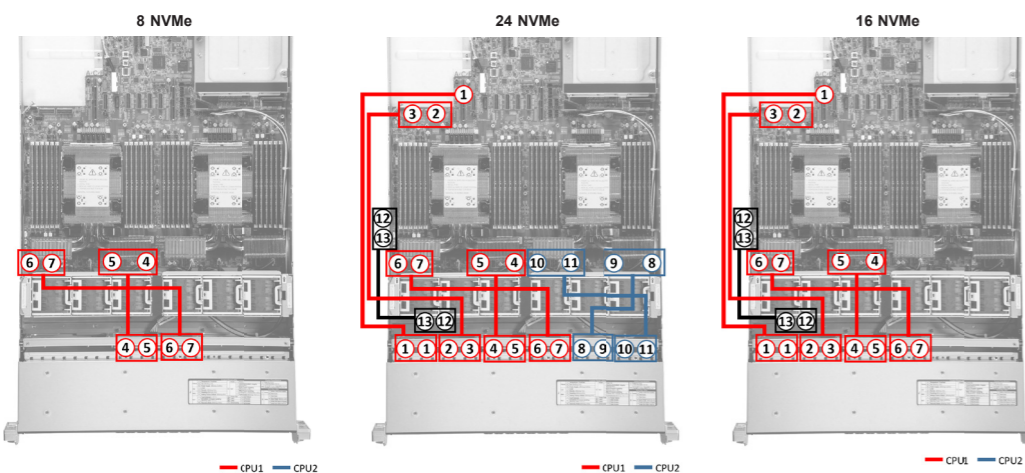
Information LED	
Feature	Description
Red, solid	An overheat condition has occurred.
Red, blinking at 1 Hz	Fan failure; check for an inoperative fan.
Red, blinking at 0.25 Hz	Power failure; check for an inoperative power supply.
Red, solid with Power LED blinking green	Fault detected.
Blue and red, blinking at 10 Hz	Recovery mode.
Blue, solid	UID has been activated locally to locate the server in a rack environment.
Blue, blinking at 1 Hz	UID has been activated via BMC to locate the server in a rack environment.
Blue, blinking at 2 Hz	BMC is resetting.
Blue, blinking at 4 Hz	BMC is setting factory defaults.
Blue, blinking at 10 Hz with Power LED blinking green	BMC/BIOS firmware is updating.

Intel Xeon 6900-Series Processors with P-Cores DDR5 Memory Population Table (1 Processor and 12 DIMMs Installed, 1DPC)	
DIMM Counts	Memory Population Sequence (1DPC)
1 Processor and 1 DIMM (Recommended Optimized Configuration)	DIMMA1
1 Processor and 8 DIMMs (Recommend Optimized Configuration)	DIMMC1/DIMMD1/DIMME1/DIMMF1/DIMMG1/ DIMMH1/DIMMJ1/DIMMK1
1 Processor and 8 DIMMs	DIMMA1/DIMMB1/DIMMD1/DIMME1/DIMMG1/ DIMMH1/DIMMJ1/DIMMK1
1 Processor and 8 DIMMs	DIMMA1/DIMMB1/DIMMC1/DIMMD1/DIMME1/ DIMMH1/DIMMJ1/DIMML1
1 Processor and 12 DIMMs (Recommended Optimized Configuration)	DIMMA1/DIMMB1/DIMMC1/DIMMD1/DIMME1/ DIMMF1/DIMMG1/DIMMH1/DIMMJ1/ DIMMK1-DIMML1

Note: DIMM rank mixing is not allowed.

Product drivers and utilities: <https://www.supermicro.com> > Support > Technical Resources > Resources and Downloads

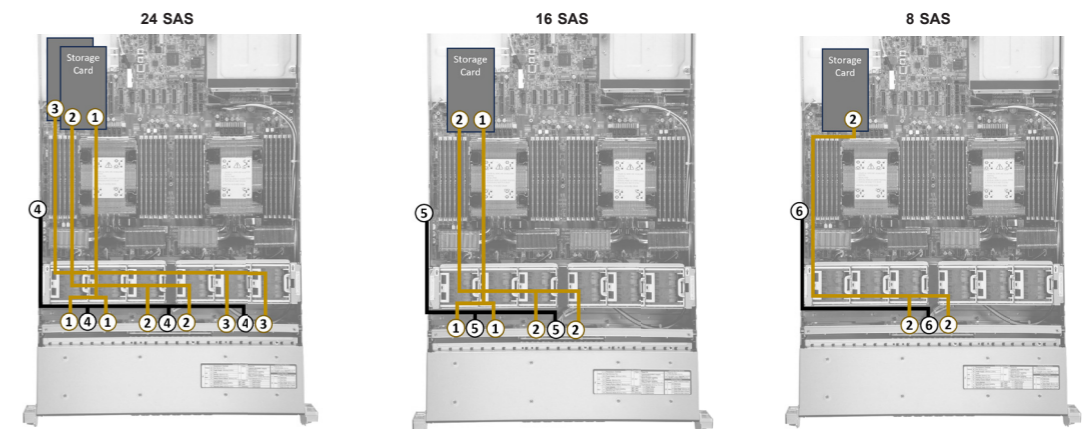
NVMe Cable Routing



NVMe Storage Cables				
Cable	Cable Part Number	Connection From	Connection To	Reference
1	CBL-GNZ4-1255CM5Y	Motherboard, JPCIE2	Left Backplane, NVME1 & NVME2	Drives 0-3
2	CBL-MCIO-1249M5LP-M	Motherboard, JPCIE1A1	Left Backplane, NVME3	Drives 4-5
3	CBL-MCIO-1250M5L-M	Motherboard, JPCIE1B1	Left Backplane, NVME4	Drives 6-7
4*	CBL-MCIO-1221M5	Motherboard, P1_NVME0	Mid Backplane, NVME1	Drives 8-9
5	CBL-MCIO-1220M5R	Motherboard, P1_NVME1	Mid Backplane, NVME2	Drives 10-11
6	CBL-MCIO-1234M5L	Motherboard, P1_NVME2	Mid Backplane, NVME3	Drives 12-13
7	CBL-MCIO-1442M5FAP1-M	Motherboard, P1_NVME3	Mid Backplane, NVME4	Drives 14-15
8*	CBL-MCIO-1225M5L	Motherboard, P2_NVME0	Right Backplane, NVME1	Drives 16-17
9	CBL-MCIO-1424RM5FAP4-M	Motherboard, P2_NVME1	Right Backplane, NVME2	Drives 18-19
10	CBL-MCIO-1230M5	Motherboard, P2_NVME2	Right Backplane, NVME3	Drives 20-21
11	CBL-MCIO-1431M5FAP3-M	Motherboard, P2_NVME3	Right Backplane, NVME4	Drives 22-23
12*	CBL-CDAT-1062	Motherboard, JNV12C1	Left Backplane, JIPMB1	NVMe SMBus for Drives 0-7
13*	CBL-CDAT-1062	Motherboard, JNVVPP1	Left Backplane, JIPMB2	NVMe VPP for Drives 0-7

*This cable connection provides a NVMe SMBus and/or NVMe VPP bus communication links between the system and the storage backplane. NVMe devices attached to the storage backplane may have detection or hot-swap issues if this cable not connected properly.

SAS/SATA Cable Routing



SAS/SATA Storage Cables				
Cable	Cable Part Number	Connection From	Connection To	Reference
1	CBL-SAST-1264F-100	Storage Card, CN0	Left Backplane, CN1 & CN2	Drives 0-7
2	CBL-SAST-1276F-100	Storage Card, CN1 or CN0	Mid Backplane, CN1 & CN2	Drives 8-15
3	CBL-SAST-1296F-100	Storage Card, CN0	Right Backplane, CN1 & CN2	Drives 16-23
4	CBL-CDAT-1062T-62	Motherboard, JNV12C1	Left, Mid & Right Backplanes, JIPMB1	I2C Connection to Backplanes
5	CBL-CDAT-1062Y-45	Motherboard, JNV12C1	Left, & Mid Backplanes, JIPMB1	I2C Connection to Backplanes
6	CBL-CDAT-1062	Motherboard, JNV12C1	Mid Backplane, JIPMB1	I2C Connection to Backplanes

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