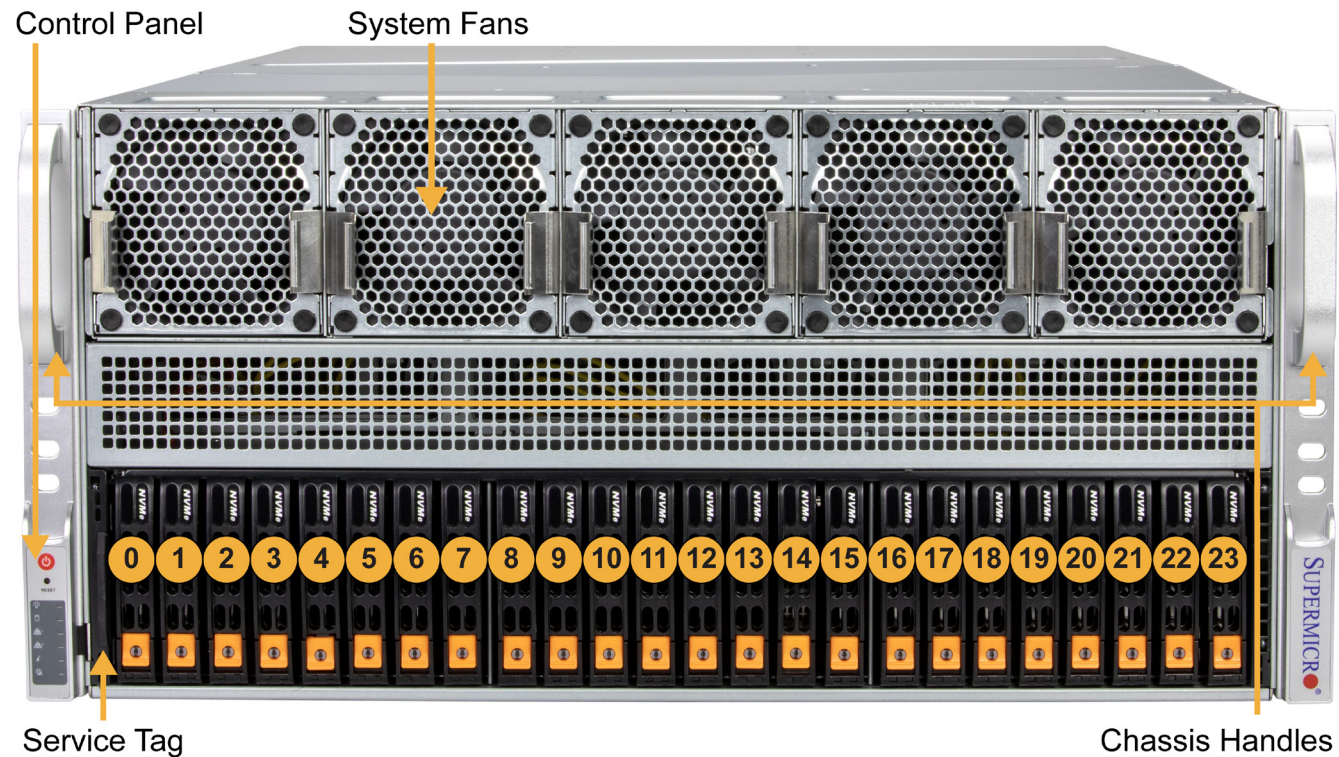


# SUPERMICR<sup>®</sup> SuperServer<sup>®</sup> SYS-522GA-NRT Quick Reference Guide

## Front Features



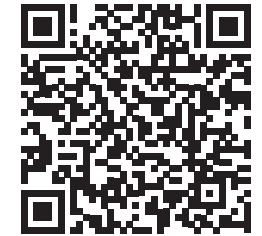
Front Features	
Feature	Description
System Fans	Ten hot-swappable system fans
Storage Modules	24 hot-swappable 2.5" Gen 5 NVMe drive bays, each with an HDD status LED and an HDD I/O activity LED: Drives 0–7 run from CPU1 Drives 8–15 run from CPU2 Drives 16–23 run from PLX
Control Panel	Control panel with LEDs and buttons
Service Tag	Hidden tag for the system information label
Chassis Handles	Two handgrips (one on each side of the chassis) for pulling the chassis from the rack when servicing <b>Important:</b> Do not pick up the server with the front handles. They are designed to pull the system from a rack only.

## BMC Password

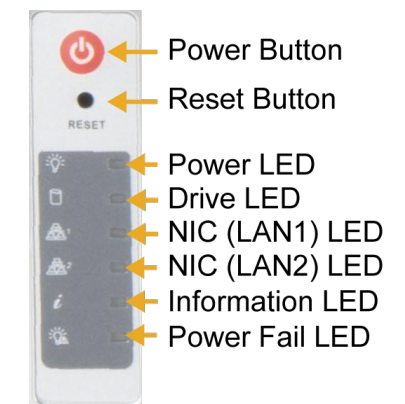
Each system comes with a unique default password for the ADMIN user. This can be found on a sticker on the motherboard and another on the chassis service tag. If necessary, the password can be reset.

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

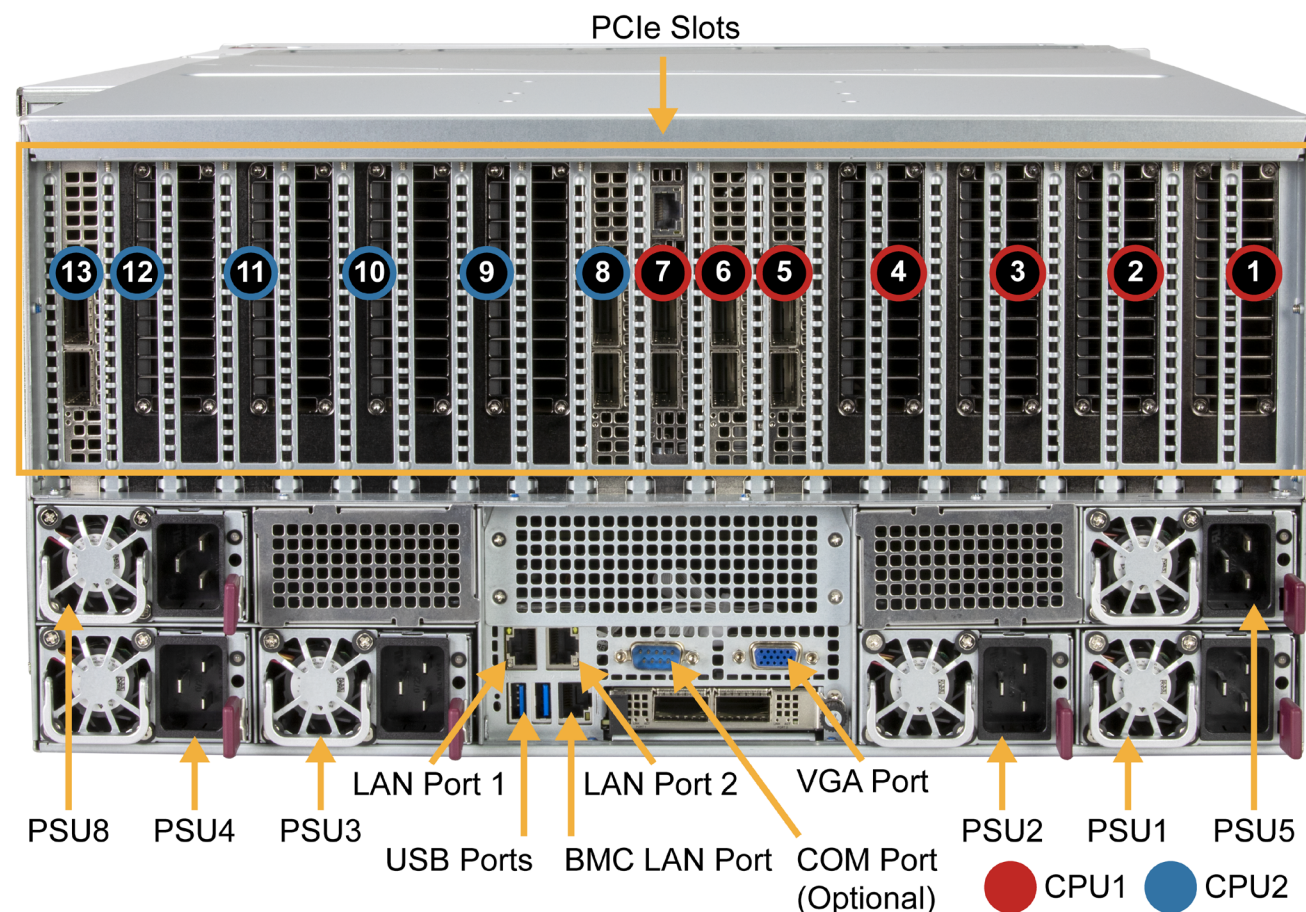
## Product Page



## Control Panel



## Rear Features



Rear Features	
Feature	Description
PCIe Slots	1–13: Up to 13 PCIe (Gen 5, x16) full height, full length (FHFL) expansion card slots A1: One PCIe 5.0 AIOM (OCP 3.0) slot
Power Supply Modules	Six hot-swappable redundant power supply modules
LAN1, LAN2	Two RJ45, 10 GbE LAN ports
USB Ports	Two USB 3.0 Type-A ports
BMC LAN Port	One RJ45 dedicated BMC LAN port
COM Port (Optional)	One serial port for high-speed serial communications
VGA Port	One VGA interface for video

## Expansion Slot Locations (All PCIe 5.0)

Item	Description	Controlled By
1–6		CPU1 (via PLX)
7	x16 slot	CPU1 (direct)
8–13		CPU2 (via PLX)
A1	AIOM slot	CPU2 (OCP 3.0)

## Information LED

Color, Status	Description
Solid red	Overheating condition
Blinking red (1 Hz)	Fan failure (check for an inoperative fan)
Blinking red (0.25 Hz)	Power failure (check for an inoperative power supply)
Solid red with Power LED blinking green	Fault detected
Blinking blue and red (10 Hz)	Recovery mode
Solid blue	UID activated locally to locate the server in a rack environment
Blinking blue (1 Hz)	UID activated via BMC to locate the server in a rack environment
Blinking blue (2 Hz)	BMC resetting
Blinking blue (4 Hz)	BMC setting factory defaults
Blinking blue (10 Hz) with Power LED blinking green	BMC/BIOS firmware updating