

Supermicro Solutions

Q2, 2023

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About Supermicro







Revenue	\$7B+ (FY2023 Target) \$5.2B (FY2022) \$3.6B (FY2021)				
Worldwide Presence	6M+ Sq ft. Facilities Worldwide 1. Silicon Valley (HQ), 2. Taiwan, 3. The Netherlands, 4. Malaysia and others				
Production	\$15B/yr Production Capacity (CY23) Top 5 Largest Server System Provider Worldwide (IDC & Gartner 2022), ~1.3M units annually				
Human Resource in 4 Campuses	5000+ headcount Worldwide, ~50% Technical / R&D				
Key Growth Matrix	8 Quarters of YoY Revenue Growth +54% YoY Q2 FY2023 Rev. +79% YoY Q1 FY2023 Rev. 100%+ YoY on Accelerated Computing				

Business Progression





Innovation

Market

Subsystems

Motherboards
Chassis
Server Building
Blocks



Server Systems

AI/ML Solutions
Twin Architectures
SuperBlade
Storage
Cloud Optimized
5G / Edge / IoT

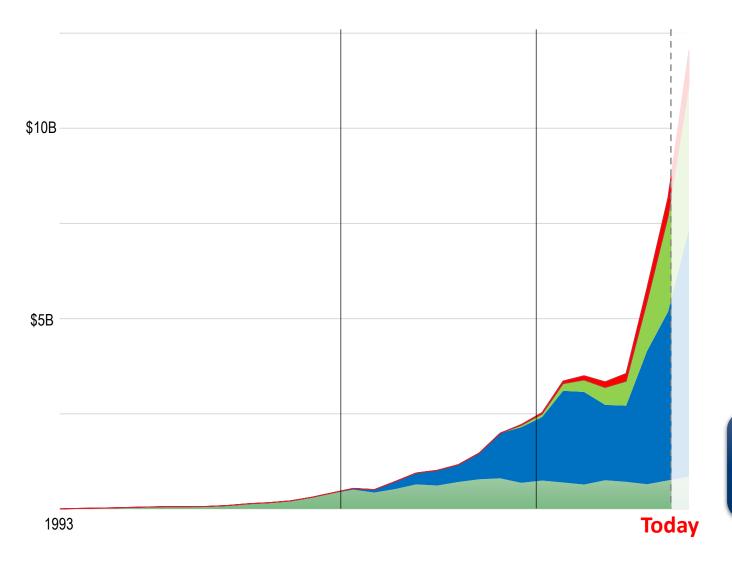


Rack-Scale/ Cloud
Management Software
Global Services
Resource-Savings
Comprehensive Software

Comprehensive Software & Security Suites
Business Automation B2B/B2C Business Model

Evolving to a Total IT Solutions Provider





- 5S: Software, Services, Switch, Storage, Security and more
- Total Solutions: Enterprise,OEM- Appliance / Cloud
- Complete Systems
- Sub-systems and Components

Our Momentum:

~5X+ Faster growth rate than the industry avg rate over the past 12+ months (~50% YoY)

Green Computing for the Planet

SUPERMICR Confidential

- Improve Industry PUE (Target 1.05)
 - Adopting More Efficient Datacenter Cooling
 - Optimal Free-Air Cooling PUE @ 1.06
 - Optimal Liquid or Submerged PUE @ 1.05
 - >\$10B TCO Savings across industry
 - >8B Trees Saved
 - >30 Fossil Fuel Power Plants Reduction



Green Computing Data Reference:

tps://www.statista.com/statistics/1229367/data-center-average-annual-pue-worldwide/

vendor/#:~:text=In%202020%2C%2012.15%20million%20server.figure%20recorded%20in%202018%20too.

ttps://www.electricrate.com/data-center/electricity-prices-by-country/#:::txt=lf%20we%20averaged%20out%20the,the%20global%20average%20electricity%20price DOMW Coal Power Plant. https://www.mcginley.co.uk/news/how-much-of-each-energy-source-does-it-take-to-power-your-home/bp254/

ttps://www.energy.gov/fecm/science-innovation/office-clean-coal-and-carbon-management/advanced-energy-systems/transformativ

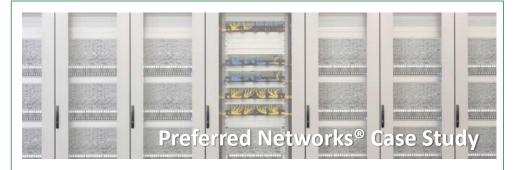
https://www.co2meter.com/blogs/news/could-global-co2-levels-be-reduced-by-planting-trees



300,000+ Supermicro Resource-Saving Blade Servers:

- \$20M in operating expense savings annually
- Cut refresh costs by >44%
- Achieves record PUE of 1.06

Source: Intel. Supermicro



#1 in Green500 '21 - A Supermicro/PFN collaboration:

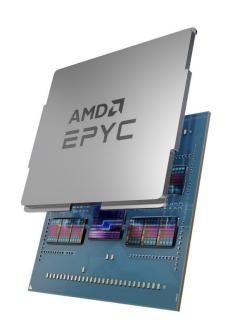
- Peak performance (theoretical): 3.92 Pflops
- Performance for every watt of power consumed: 21.11 Gflops/W

Source: PFN, Green500.org, Supermicro

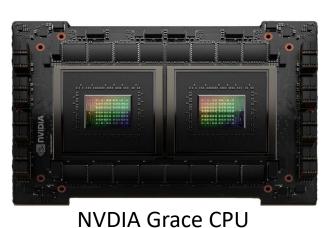
Supermicro CPU Vendors











X13

H13

R12

R13



Industry's Most Comprehensive Portfolio



Hyper-E and Hyper Best-in-Class Performance and Flexibility Rackmount Servers



Ultra and Ultra-E High Performance & Flexibility Rackmount Systems for **Enterprise Applications**



Cloud DC All-in-one Rackmount Platforms for Cloud Data Centers



WIO (UP) Industry's Widest Variety of I/O Optimized Servers



Mainstream Versatile Entry Level and Volume Servers for Enterprise Applications



BigTwin® Highly Modular Multi-Node Systems with Tool-less Design



TwinPro®

Platforms

FatTwin® Cost-effective 2U Multi-node Advanced Multi-node 4U Twin Architecture with 8 or 4 Nodes



SuperBlade® High Density x86 Multi-node Server for Enterprise Cloud, HPC



SuperWorkstations Workstations for High **Performance Workloads**



MP 4-Way Server **Highest Performance and Flexibility** for Enterprise Applications



PCIe GPU Servers High Density Systems for Doublewidth, Full Length PCIe GPUs



High Performance and Flexibility with Advanced Architecture and Thermal Design



SuperStorage® Top-loading Server Optimized for Field Serviceability and Field Replacement



IOT/Embedded High-efficiency, High-performance Compact Form Factor for 5G and Edge computing



Supermicro Rack Integration Services provides a "one-stop-shop" for your data center needs

Optimized and Lab Tested Components for Superior Performance

Turn-Key Data Center

Accelerate Your Deployment

Professional Rack Level Design

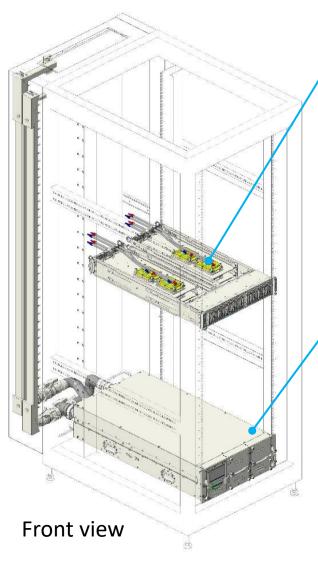
Validation and Benchmarking



- Server
- Storage
- Network
- Software
- Cabling
- Power and Cooling
- Testing
- Benchmarking
- Full Rack Burn-in

DCLC Rack Key Components



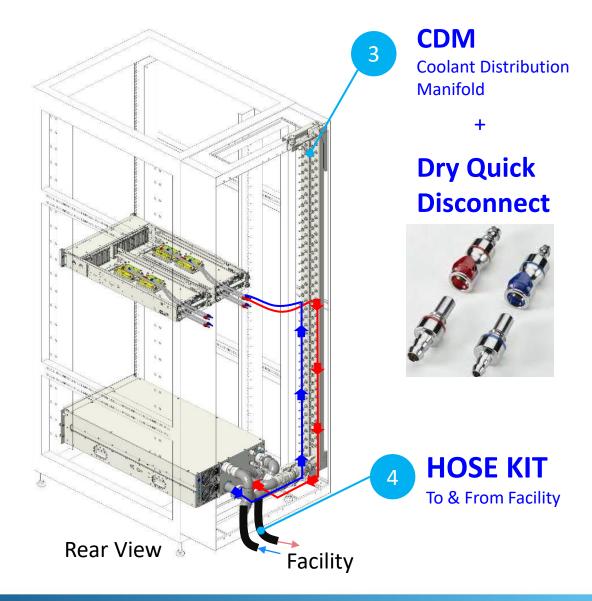


Cold Plate
350W



CDU
Coolant Distribution Unit
80 kW





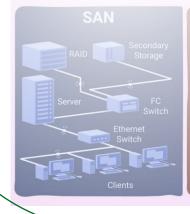
Typical Industry's Workloads

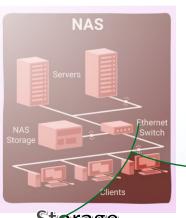












Storage



IoT, O-RAN, Edge



OLTP/OLAP, Data Analytics...







MP SuperServer SYS-681E-TR

Key Applications

In-Memory Database, Virtualization, ERP, CRM, Research Lab/National Lab, Scale -up HPC,

Key Features

- Octa Socket E (LGA-4677) 4th Generation Intel® Xeon® Scalable processors;
- 128 DIMM Slots; Up to 32TB DDR5-4800MHz ECC RDIMM/RDIMM-3DS;
- Optional PCIe configurations up to 24 PCIe slots with support for 12 doublewidth GPU/Accerlator cards;
- 24x 2.5" Hot-swap NVMe/SAS3/SATA3 drive bays; 2x internal M.2 NVMe/SATA; Optional RAID support via storage add-on card;
- 10 heavy duty fans w/ optimal fan speed control;



MP SuperServer SYS-241E-TNRTTP

Key Applications

Artificial Intelligence (AI), Business Intelligence, ERP, CRM, Scientific Virtualization, In-Memory Database, HCI, SAP HANA,

Key Features

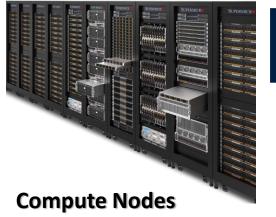
- Quad Socket E (LGA-4677) 4th Generation Intel® Xeon® Scalable processors;
- 64 DIMM Slots: Up to 16TB DDR5-4800MHz ECC RDIMM/RDIMM-3DS:
- Optional PCIe configurations up to 8 PCIe slots with support for two doublewidth GPU/Accerlator cards;
- Flexible networking options with 2 AIOM networking slot (OCP NIC 3.0 compatible);
- 24x 2.5" Hot-swap NVMe/SAS3/SATA3 Hybrid Drive bays (Default with 24 SAS3/SATA3 drive bays); 2x internal M.2 NVMe/SATA; Optional RAID support via storage add-on card;
- 6 heavy duty fans w/ optimal fan speed control;

Features

- Supermicro multi-processor systems bring new levels of compute performance and flexibility with support for 4th Gen Intel® Xeon® Scalable processors to support mission-critical enterprise workloads
- 4- and 8-way systems with 4th Gen Intel® Xeon® Scalable processors up to 480 cores
- Large memory footprint with up 64 DIMMs in 2U and 128 DIMMs in 6U up to 32TB of DDR5 Memory
- Next-generation PCle 5.0 for GPU/accelerator and highspeed network interface cards
- Compute and hybrid storage-optimized configurations



7/28/2023 Better Faster Greener™ © 2020 Supermicro



HPC: AL, ML, Inference, Simulation,

NVIDIA H100 Tensor Core GPU

Unprecedented performance, scalability, and security for every data center.









X13 SuperBlade®

Ultra High-Density Multi-Node Systems for Enterprise, Cloud, HPC, and Al Applications



Optimized for Performance, Density and Advanced Networking

- Up to 20 nodes in 8U or 10 nodes in 6U with integrated switches
- Single or dual 4th Gen Intel® Xeon® Scalable processors with air-cooled support for up to 350W TDP CPUs
- Up to 32 DIMM slots per node supporting DDR5-4800MHz
- High-performance networking with 400G/200G InfiniBand and 100G/25G Ethernet support
- Up to 4 GPUs per node in a high-density, balanced architecture
- High-performance NVMe support in E1.S, U.2 and M.2 form
 forthere.

X13 BigTwin[®]

Industry-leading Multi-node Architecture



Highly configurable 2U 4-node and 2U 2-node systems optimized for density or storage

- Dual socket architecture featuring 4th Gen Intel® Xeon® Scalable processors
- Optimized thermal design with liquid cooling options
- All-hybrid hot-swappable NVMe/SAS/SATA drive bays Up to 12 drives per node
- Resource Saving Architecture with shared power and cooling for increased efficiency
- Flexible networking with up to 200G Ethernet per node

X13 Universal GPU

Multi-Architecture Flexibility with Future-Proof Open-Standards-Based Design



GPU Nodes

Ultimate modularity and customization options for AI and HPC environments

- Dual 4th Gen Intel® Xeon® Scalable processors
- Support for the latest industry standards including PCIe
 5.0. DDR5 and Compute Express Link (CXL) 1.1
- Innovative modular architecture designed for flexibility and futureproofing with a range of form factors from 4U to
- Supports next-generation GPUs including NVIDIA H100 and Intel Data Center GPU Max Series
- Optimized thermal capacity and airflow to support CPUs up to 350W and GPUs up to 700W with air cooling
- PCIe 5.0 x16 networking slots and up to 16 U.2 NVMe drive bays

X13 PCIe GPU

High Performance and Flexibility for AI, 3D Simulation and the Metaverse



Maximum Flexibility with up to 10 PCIe GPUs in 4U/5U

- Dual 4th Gen Intel® Xeon® Scalable processors (formerly codenamed Sapphire Rapids)
- Support for the latest industry standards including PCIe 5.0, DDR5 and Compute Express Link (CXL) 1.1
- Supports NVIDIA H100, A100, Intel Data Center GPU Max Series and Intel Data Center GPU Flex Series PCIe GPUs
- Optional 1U expansion for enhanced thermal capacity
- Flexible storage with U.2 NVMe and optional direct-to-CPU storage configurations
- Dual root and direct-connect PCIe configurations available



Virtual Reality, Digital Twins, NVDIA Omniverse

Supermicro OVX Building Block Solution

Rack-scale and a Full Turn-key Solution (L11/L12)

Scalable Unit / Base Package

4x Supermicro OVX nodes (SYS-420GP-TNR) 1x Supermicro Nucleus

server (SYS-120U-TNR)

Digital Twins

6x 200Gbps 32-port Nvidia Networking SN3700 Ethernet switches,

Non-blocking

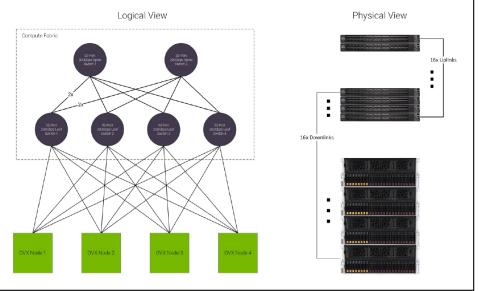
Graphics 32x Nvidia A40 GPUs

Power Up to 18.56.kW

Other Notes

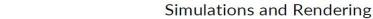
Systems

Scales-out incrementally via 4-nodes after initial switch counts are met to 16 nodes for a Pod

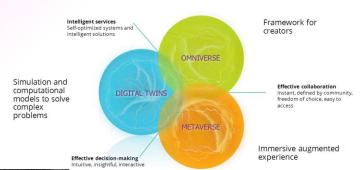








REAL AND DIGITAL WORLDS CONVERGENCE





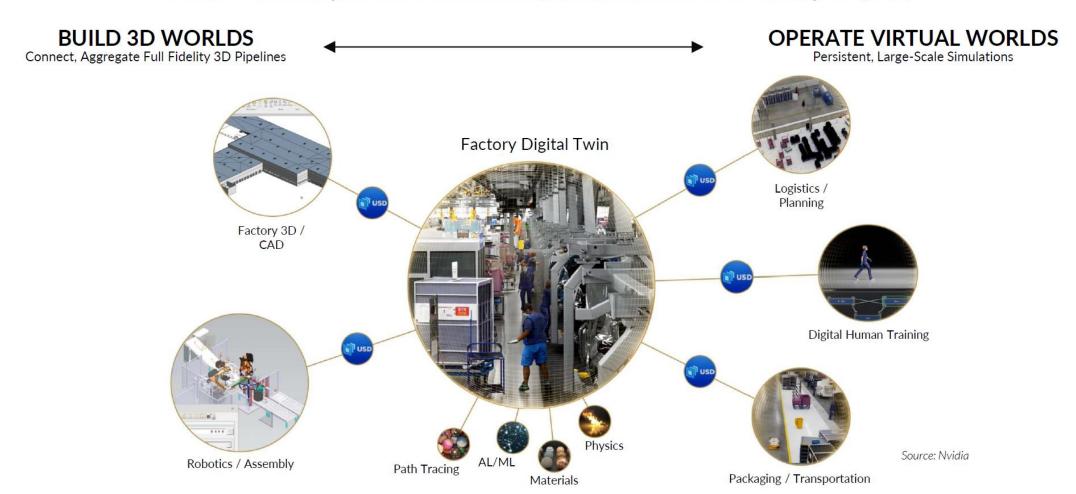
Design and Collaboration

Virtual Reality, Digital Twins, NVDIA Omniverse



What is NVIDIA Omniverse?

From creation to operation of virtual worlds, built on Universal Scene Description (USD)



Cloud Gaming



O INVIDIA

NVIDIA L4 Tensor Core GPU

The breakthrough universal accelerator for efficient video, Al, and graphics.





GPU SuperServer SYS-210GP-DNR

2U 2-Node Multi-GPU System with Single Processor (Intel) and Up to 3 PCI-E GPUs per Node

Key Applications

High Performance Computing, AI/Deep Learning Training, Media/Video Streaming, Industrial Automation, Retail, Cloud Gaming,

Key Features

- Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processor;
- Intel® C621A Chipset;
- 2TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs;
- 3 PCle Gen 4.0 x16 FHFL DW;
- 2 M.2 NVMe and SATA for boot drive only; 2 front Hot-swap 2.5" U.2 NVMe Gen4 drive bays;
- 2600W Redundant (1+1) Power Supplies Titanium Level (96%) (Full redundancy based on configuration and application load);
- AST2500 BMC;

A+ Server 2114GT-DNR

Key Applications

- Media/Video Streaming
- Al Inference and Machine Learning
- Cloud Gaming
- Industrial Automation, Retail. Smart Medical Expert Systems

Key Features

Two hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:

- 1. Single AMD EPYC™ 7003/7002 Series Processor (The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version
- 2. 2TB Registered ECC DDR4 3200MHz SDRAM in 8
- 3. Up to 6 PCI-E Gen 4 x16 (4 internal, 2 external) slots, 1 PCI-E 4.0 x8 AIOM slot
- M.2 Interface: 2 PCI-E 4.0 x4
- M.2 Form Factor: 2280, 22110
- M.2 Key: M-key
- 4. Integrated IPMI 2.0 + KVM with dedicated LAN
- Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management







NVIDIA A2 Tensor Core GPU

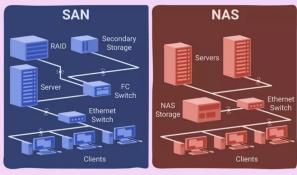


NVIDIA A16 Tensor Core GPU



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X13 Hyper

Best-in-class Performance and Flexibility Rackmount Server



Flagship Performance 1U and 2U Rackmount Systems

- Dual socket 4th Gen Intel® Xeon® Scalable processors with support for Intel Xeon CPU Max Series
- Free-air and liquid cooling options for maximum performance and efficiency
- 32 DIMM slots per node supporting DDR5-4800MHz
- NVMe SSD support with up to 24 drives in 2U
- · Optional 2.5"/E1.S SSD hybrid configuration
- Up to 3 PCIe 5.0 slots in 1U or 8 PCI-E 5.0 slots in 2U
- PCIe 5.0 AIOM slots supporting up to 400G networking
- · Tool-less system for simplified maintenance

H13 Hyper Systems

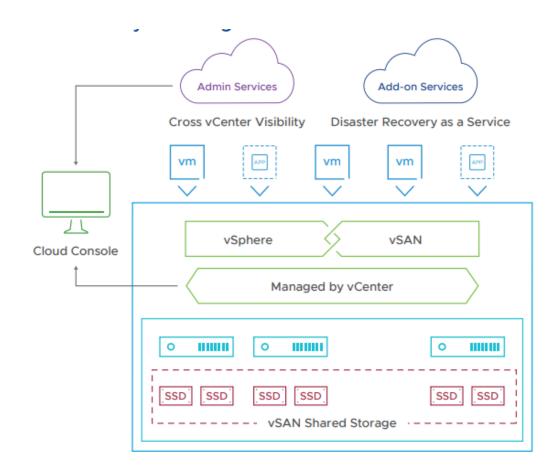
Flexible and High Performance for Enterprise Data Centers



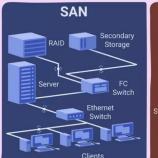
Enterprise-focused platform designed for utmost performance and flexibility

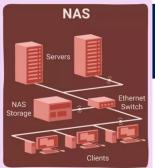
Gain high performance, flexibility, scalability and serviceability to demanding IT environments, and to power mission-critical enterprise workloads.

- Dual AMD EPYC[™] 9004 Series Processors
- Up to 6TB DDR5-4800MHz in 24 DIMMs
- · Flexible NVMe, SAS, and SATA drive options
- Configurable PCIe 5.0 expansion capabilities with CXL 1.1+ memory expansion
- AIOM slots with OCP 3.0 support
- Titanium-Level efficiency power supplies



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X13 Petascale All-Flash

Revolutionary Petascale NVMe for Unprecedented Density and Performance

All-New 1U Storage Architecture

drives in a 1U chassis

configurations

Dual socket 4th Gen Intel® Xeon® Scalable processors

2x AIOM supporting PCle 5.0 x16 and up to 2x PCle 5.0 x16

· Up to 24 EDSFF Short (E1.S) or 16 E3.S high-performance

 E1.S (9.5mm and 15mm) or E3.S (7.5mm) form factor support with E3.S 2T x8 CXL support on selected

• 32 DIMM slots per node supporting DDR5-4800MHz

All-Flash, Hybrid. Block, Object, File



Hybrid

Storage SuperServer SSG-620P-E1CR24H



Key Features

- Dual socket 3rd Gen Intel® Xeon® Scalable processors, up to 72 Cores Per Node;
- 16 ECC DDR4-3200: LRDIMM/RDIMM;
- Dedicated PCIe 4.0 AIOM slot; 3 x PCIe 4.0 x16 Slots;
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN per node;
- 24 3.5" Hot-swap SAS3/SATA3 drives, 4x Rear SATA/NVMe Slots, 2x SATA/NVMe M.2 (form factor: 2280);
- 5x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 1600W Redundant Power Supplies Titanium Level (96%);
- HW RAID support via Broadcom® 3908;

Storage SuperServer SSG-640SP-E1CR90



Key Features

- 16 ECC DDR4-3200: LRDIMM/RDIMM:
- 3 x PCIe 4.0 x16 HHHL PCIe slots;
- 90 3.5"/2.5" Hot-swap SAS3/SATA3 drives, 2x Fixed slim SATA SSD, 2x NVMe M.2 (form factor: 2280 and 22110);
- 6 x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 2600W Redundant Power Supplies Titanium Level (96%);
- Drive Controller support via Broadcom® 3916 or 3616; Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN;







Object

Parallel File

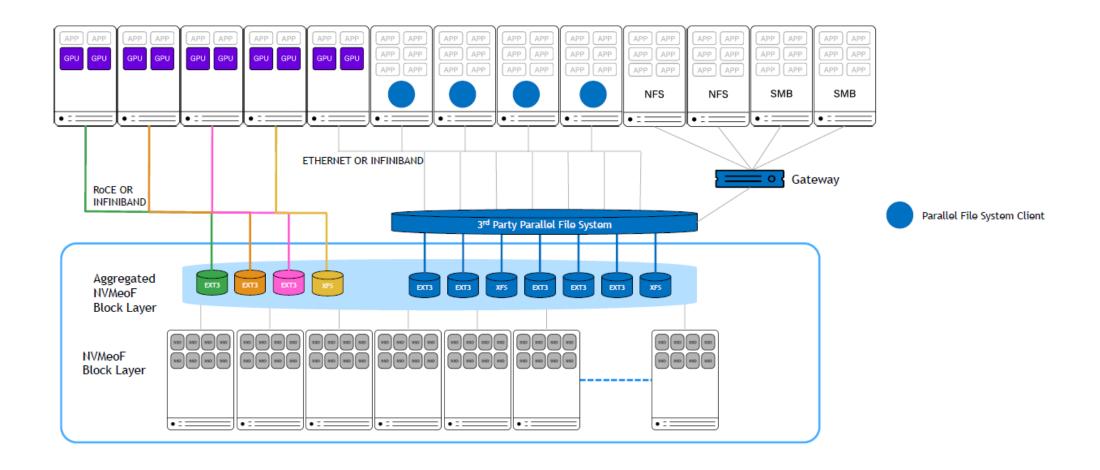
Object/File









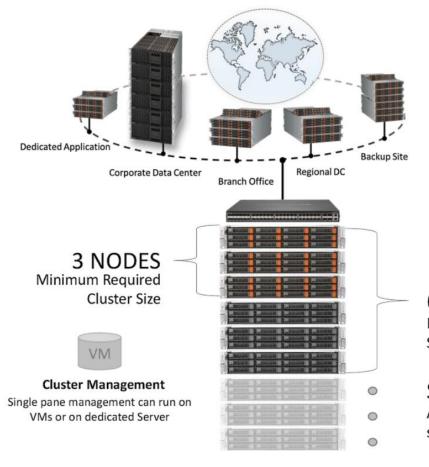


Software Defined Storage (SDS)





Scality RING
Scale-out Storage Solution



RING delivers comprehensive:

- Amazon S3-compatible object storage,
- POSIX-compatible NFS and SMB in a single system with enterprise-grade data protection.

6 NODES

Recommended Starting Cluster

Scale-out

Add drives or nodes to scale to 100s of PB

Supermicro All Flash EDSFF



EDSFF E1.S



EDSFF E3



Mari co-

EDSFF E1.L

Capacity Scaling

Wider PCBs for more flexible NAND Chip layouts

Performance Scaling

 Scalable Connector Design, Multiple Link widths (x4, x8, x16) and support different power profiles

Thermal Efficient

Improvements for thermal and cooling management

Future Proofed

 Common connector for all form factors and more robust signal integrity for future PCIe generations

Solution Range

 Wild range of power profiles (20W - 70W) for higher capacity/performance SSDs

All Major Vendors Support E1.S and E3.S New Form Factors (Updated 7/27)

Form Factor	Vendor	Series	Interface PCle	Max Capacity (TB)	DWPD	Samples Schedule	MP Schedule	Notes
E1.S	Solidigm	D7-P5520	Gen4 x4	7.68	1	Available	Late Q3'22	9.5mm, 15mm
		PE8110	Gen4 x4	7.68	1	Available	Available	15mm
	Kioxia	XD6	Gen4 x4	3.84	1	Available	Available	9.5mm
		XD7	Gen4 x4	7.68	1	Q4'22	Q4'22	9.5mm
	Micron	7450	Gen4 x4	7.68	1/3	Available	Q3′22	5.9mm, 15mm, 25mm
		7500	Gen4 x4	7.68	1/3	Q2′23	Q2'23	15mm
	Samsung	PM9A3	Gen4 x4	3.84	1	Available	Available	9.5mm
E3.S	Solidigm	D5-P5430	Gen5 x4	15.36	0.5	Q1′23	Q2'23	7.6mm
	Kioxia	CD7	Gen5 x4	15.36	1	Q3'22	Limited Available	sample requested
		CM7-V	Gen5 x4	12.8	3	Q4'22	Q4'22	
		CM7-R	Gen5 x4	30.72	1	Q4'22	Q4'22	
	Micron	9500	Gen5 x4	30.72	1/3	Q1′24	Q2'24	7.6mm
	Samsung	PM1743	Gen5 x4	15.36	1/3	Q4'22 (EVT)	Q2'23	sample requested











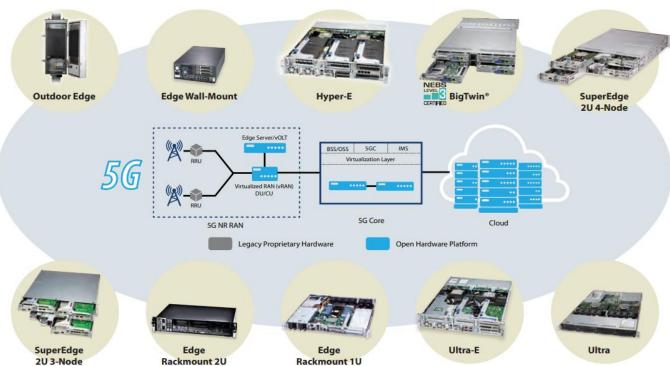
Optimized Platform for 5G/Telco Applications



Outdoor Edge

SYS-E403-9D-16C-IPD2

SYS-E403-9D-14CN-IPD2 SYS-E403-9D-16C-IP







MAVENIR Rakuten Symphony

SYS-211E-FRN2T

SYS-211E-FRDN2T

Edge Rackmount 2U Edge Rackmount 1U

SYS-111E-FWTR

SYS-111E-FDWTR



MegaDC SuperServer ARS-110M-NR

Enterprise Server, Hyperscale Data Center, Front End Server, Infrastructure,

Single Socket Ampere® Altra® Processor (Up to 80 Cores; Up to 3.3Ghz) /

• 16 DIMMs; Up to 4TB ECC Registered DDR4-3200MHz RDIMM/LRDIMM;

• 3 PCIe 4.0 x16 (LP) Slots, 1 AIOM Slot (OCP3.0 Mezzanine Compatible);

• 800W Redundant Platinum Level High-efficiency Power Supplies;

2x 10GbE LAN SFP28 Ports via Mellanox ConnectX®-4 Lx EN Controller (or 1x

Single Socket Ampere® Altra® Max Processor (Up to 128 Cores; Up to 3.0Ghz)

Key Applications

; Up to 250W TDP;

25GbE LAN SFP28 Port w/Redundancy);

1 VGA, 1 (Serial) Micro USB Port, 2 USB3.0 (2 Rear);

• 10x 2.5" U.2 NVMe Hot-Swap Drive Bays;

Key Features

Edge, Telco, Cloud, Cloud DB, Big Data, Storage





MegaDC SuperServer ARS-210M-NR

Key Applications

High Performance Computing, Immersive Media, Cloud Gaming / AICAN, AI Inference / Training, Dense-VDI, Video-on-Demand,

Key Features

- Single Socket Ampere® Altra® Processor (Up to 80 Cores; Up to 3.3Ghz) / Single Socket Ampere® Altra® Max Processor (Up to 128 Cores; Up to 3.0Ghz); Up to 250W TDP;
- 16 DIMMs; Up to 4TB ECC Registered DDR4-3200MHz RDIMM/LRDIMM;
- Supports up to 4 PCIe 4.0 x16 Double Wide GPU Cards (Up to 300W per GPU),
 1 PCIe 4.0 x16 LP Slot, 1 AIOM Slot (OCP3.0 Mezzanine Compatible);
- 2x 10GbE LAN SFP28 Ports via Mellanox ConnectX®-4 Lx EN Controller (or 1x 25GbE LAN SFP28 Port w/Redundancy);
- 4x 2.5" U.2 NVMe Hot-Swap Drive Bays (Options available for up to 16 or 24 Drive Bays via a Modular Bay Design);
- 1600W Redundant Titanium Level High-efficiency Power Supplies;
- 1 VGA, 1 (Serial) Micro USB Port, 2 USB3.0 (2 Rear);

...

Supported GPU: NVIDIA A16 NVIDIA A100

MegaDC SuperServer ARS-520M-NRG

Key Applications

VDI, Hyperscale Data Center, High End Enterprise Server, GPU Accelerated Compute, GPU Computing, Cloud Video Streaming,

Key Features

- Single Socket Ampere® Altra® Processor (Up to 80 Cores; Up to 3.3Ghz) / Single Socket Ampere® Altra® Max Processor (Up to 128 Cores; Up to 3.0Ghz); Up to 250W TDP;
- 16 DIMMs; Up to 4TB ECC Registered DDR4-3200MHz RDIMM/LRDIMM;
- Supports up to 2 PCIe 4.0 x16 Double Wide GPU Cards, 1 PCIe 4.0 x16 LP Slot, 1 AIOM Slot (OCP3.0 Mezzanine Compatible);
- 2x 10GbE LAN SFP28 Ports via Mellanox ConnectX®-4 Lx EN Controller (or 1x 25GbE LAN SFP28 Port w/Redundancy);
- 12x 2.5" U.2 NVMe Hot-Swap Drive Bays;
- 1600W Redundant Power Supplies Titanium Level High-efficiency;
- 1 VGA, 1 (Serial) Micro USB Port, 2 USB3.0 (2 Rear);









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HPC NVIDIA OVX



GPU SuperServer ARS-221GL-NR

Grace CPU Superchip Core Architecture Neoverse V2 Cores: Armv9 with 4x128b SVE2 **Core Count** 144 L1: 64KB I-cache + 64KB D-cache per core Cache L2: 1MB per core L3: 234MB per superchip **Memory Technology** LPDDR5X with ECC, Co-Packaged **Raw Memory BW** Up to 1 TB/s **Memory Size** Up to 960GB FP64 Peak 7.1 TFLOPS 8x PCle Gen 5 x16 interfaces; option to bifurcate **PCI Express** Total 1 TB/s PCIe Bandwidth. Additional low-speed PCIe connectivity for management.

500W TDP with Memory, 12V Supply

Key Applications

High Performance Computing, AI/Deep Learning Training, Large Language Model (LLM) Natural Language Processing, General purpose CPU workloads, including analytics, data science, simulation, HPC, application servers, and more,

Key Features

- High density 2U GPU system with up to 4 NVIDIA® H100 PCIe GPUs; PCIebased H100 NVL with NVLink Support; Highest GPU communication using NVIDIA® NVLINK™;
- Energy-Efficient NVIDIA Grace™ CPU Superchip with 144 Cores;
- 480GB or 240GB LPDDR5X onboard memory option for minimum latency and maximum power efficiency;
- 7 PCIe 5.0 x16 FHFL Slots;
- NVIDIA BlueField-3 Data Processing Unit Support for the most demanding accelerated computing workloads.;
- E1.S NVMe Storage Support;



Power



System Management Software



Standard

Covers all core functionality to effectively set up, manage, and monitor your Supermicro systems. These features are available to all Supermicro users.

License

Description

Key features⁽¹⁾

No license required

- Secure remote console (KVM/HTML5)
- System temperature monitoring
- System power thresholds & alerts
- Component monitoring
- Email alerting
- Remote configuration
- Offline diagnostics
- Crash dump
- License management

Basic

Extends the core functionality and makes system management easier with additional features, such as remote BIOS management and system updates.

SFT-OOB-LIC

- Remote BMC management
- Remote BIOS management
- Out-of-Band systems checks
- TPM Provisioning
- Mount/Unmount ISO images from Samba/HTTP
- Basic Redfish APIs
- CIM management
- SysLog

Advanced

Delivers a broad set of tools to help administrators improve the performance, up-time, and monitoring of Supermicro systems.

SFT-DCMS-SINGLE

- Remote OS deployment
- Auto-discovery
- Power capping
- RAID monitoring and configuration
- HDD monitoring
- Advanced Redfish APIs
- FW update policy
- System lock down
- Crash screen/video capture

Enterprise

Offers an extensive platform to manage large data centers and coordinate automated lifecycle management, software-defined infrastructure, and more in a single pane of glass.

SFT-DCMS-SINGLE + SFT-SDDC-SINGLE

- 3rd Party vendor support
- POD & Rack-level management
- · SDI Lifecycle management
- Manage Composable
 Dissagregated Infrastructure
- Zero-touch provisioning for network configuration
- Single pane of glass for data center deployment
- Rich analytics & telemetry
- User defined role-based access control



Global Service & Support



Service-Level Options

• 4-Hour Onsite Response

A Supermicro authorized representative will arrive at the customer's site to begin hardware maintenance service within 4 hours after the service request has been received, the issue has been identified, and spare parts have been received onsite.

Next Business Day Response

Service is available 8 hours per day within standard business hours, Monday to Friday, excluding local holidays. A Supermicro authorized representative will arrive at the customer's site to begin hardware maintenance service the next day after the service request has been received, the issue has been identified, and defective parts have been determined and shipped.

• Integration Service

Supermicro defines the requirements for the installation, upgrade or migration. We perform the planning, identify service requirements, create and execute the project plan, conduct verification testing, training, and provide technical documentation.





- Supermicro is:
 - Unmatched Revolutionary Design Enabling You Fantastic Flexibility Configuring Your SyS!

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- Best PUE
- Best TCO
- Fantastic robustness and reliability (less than 0,3% failure rate)
- Best price/performance Ratio
- L12 Rack Design and Implementation
- Ahead of Competition with new chipsets generations

Don't trust the above?? Try us!!!

Local and remote POC welcome!



https://www.supermicro.com/en



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