SUPERMICRO

A+ Server Solutions

World's Most Versatile Portfolio of AMD Processor-Based Systems Supporting the Latest AMD EPYC™ Series Processors

SUPERMICRO H14 & H13 GENERATION SERVERS

The Most Comprehensive Portfolio of AMD Processor-Based Systems, now with AMD EPYC™ 9005 Series Processors, Including Servers, Storage, GPU-Optimized, and Multi-Node Solutions to Exactly Match System Requirements to Your Workloads

AMD

October 2024

Introducing H14 Generation A+ Servers

EPYC™ 9005 Series Processors

- Up to 192 cores 384 threads per socket
- Up to 9TB of memory of DDR5 with ECC 6000MT/s and Advanced Memory Device Correction (AMDC) and supports 2 DIMMs per channel (2DPC) with single socket
- PCIe 5.0 up to 160 lanes
- Next Generation Reliability, Availability, and Serviceability (RAS)

Workload Optimized Systems with Open Architectures

- Vast I/O, storage, networking and expansion slot options for maximum versatility
- Flexibile networking options with Advanced I/O Modules (AIOMs), up to 400Gbps throughput per card and OCP 3.0 support
- Market-leading GPU optimized servers for large scale AI/ML and HPC workloads
- Compute Express Link (CXL 2.0) peripheral support including memory expansion through PCIe 5.0 lanes

Increased Operational Efficiency

- Tool-less chassis design
- Rear and Front I/O options
- Hot-swappable nodes with shared power for multi-node system
- Titanium level redundant power supplies
- Efficient resource-saving multi-node designs with shared power and cooling.

H14 FlexTwin Liquid-Cooled System

2U Liquid-cooled multi-node Architecture for high-density and efficiency

H14 GPU Optimized PCIe System

Universal GPU optimized for AI/ Deep Learning and HPC

H14 Accelerated GPU Servers

Maximum Acceleration for AI Training and LLM

H14 Hyper System

Industry Leading IOPS Servers with Energy Efficiency and Flexibility

H14 CloudDC System

All-in-One Servers with Flexible I/O Options for Cloud Scale Data Centers

H14 GrandTwin® System

Leading Multi-Node Architecture with Front I/O

H14 FlexTwin™ System

Liquid-Cooled Multi-node Server for Maximum Density and Power Efficiency

Per Node:

Dual Socket AMD EPYC™ 9005/9004 Series Processors

Up to 24 DIMMs 9TB DDR5-6000 in 1DPC

1 OCP 3.0 compatible AIOM slot

Optional 2 E1.S Slots

Up to 4 Redundant 3200W Titanium Level Power Supplies

AS -2126FT-HE-LCC

2U 4 Node Liquid-Cooled

AS -2126FT-HE-LCC

2U dual processor system with up to 2x E1.S drives per node

Designed for High-Density Performance Computing

The FlexTwin™ multi-node system is designed for high density, with four 2-socket servers per 2U chassis. Equipped with the latest AMD EPYC™ 9005 Series CPUs with up to 192 cores per socket.

Deployed in large clusters, the H14 FlexTwin™ system combines AMD's highly energy-efficient CPUs with Supermicro's advanced liquid cooling designs. These two factors help to lower your data center's Power Usage Effectiveness (PUE) and aid in reaching your sustainability goals.

Key Applications

- HPC
- Oil and Gas
- Scientific Research

H14 5U PCIe GPU SYSTEMS

Flexible, High Density GPU Systems for AI and HPC

Dual Socket AMD EPYC™ 9005/9004 Series Processors

Support up to 10 double-width PCIe accelerators

Up to 24 DIMMs 9TB DDR5-6000 in 1DPC

Up to 13 PCIe 5.0 x16 FHFL slots

Up to 8 front hot-swap 2.5" NVMe drive bays

AS -5126GS-TNRT

AS -5126GS-TNRT

5U dual processors, direct attached GPU system, supporting 8 PCIe 5.0 GPUs, AMD Instinct, NVIDIA Enterprise level GPUs

AS -5126GS-TNRT2

5U dual processors, dual-root GPU system with PLX, supporting 10 PCIe 5.0 GPUs, AMD Instinct, NVIDIA Enterprise level GPUs

Maximum Acceleration 5U GPU Systems

The Supermicro 5U PCIe GPU servers are dual processor systems supporting up to 10 FHFL double-width PCIe GPUs, including the latest NVIDIA datacenter GPUs and AMD Instinct™ GPUs. This 5U GPU-optimized systems provide maximum acceleration, flexibility and balance for AI/ deep learning, HPC, and graphically-intensive workloads.

Key Applications

- AI
- HPC
- 3D Rendering Farm
- Virtualization
- Research

H14 8-GPU SYSTEMS

Next-Gen Large Scale AI Training Platform

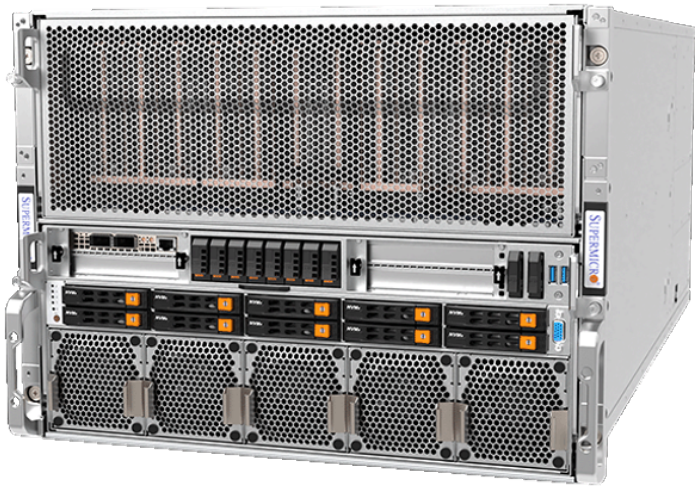
Industry standard OCP Accelerator Module (OAM) with eight accelerators interconnected on an AMD Instinct™ and NVIDIA HGX™

Industry-leading up to 2TB HBM3e GPU memory in a single server node

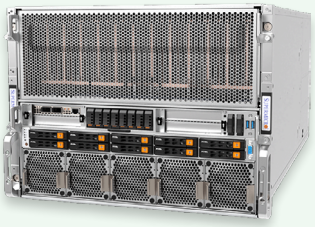
1:1 400G networking dedicated for each GPU designed for large scale AI and supercomputing clusters

Dual Socket AMD EPYC™ 9005/9004 Series Processors

Up to 24 DIMMs for up to 9 TB of DDR5-6000 memory



AS -8126GS-TNMR



AS -8126GS-TNMR *(Coming soon)*
8U dual processor system with AMD Instinct™ MI325X GPUs

AS -A126GS-TNBR *(Coming soon)*
10U dual processor system with NVIDIA HGX™ B200 GPUs

AS -4126GS-NBR-LCC *(Coming soon)*
4U Liquid-cooled dual processor system with NVIDIA HGX™ B200 GPUs

Streamline deployment at scale for AI & LLM

Built on Supermicro's proven AI building-block system architecture, the new 8-GPU system with the latest AMD Instinct™ and NVIDIA HGX™ GPUs streamline deployment at scale for the largest AI models and reduce lead time.

The 8-GPU air-cooled solution is feature maximized and power optimized supporting dedicated I/O and dedicated storage per GPU, full performance GPUs, CPUs, memory, and high-speed networking for large scale cluster deployments. These powerful GPUs enhance operations-per-second and performance-per watt at rack scale.

Key Applications

- Large Scale Deep Learning
- Generative AI and Large Language Model Training
- AI-fused HPC applications
- Industrial Automation
- Business Intelligence & Analytics

H14 Hyper Systems

Industry Leading IOPS Rackmount Servers with Energy Efficiency and Flexibility

Dual socket AMD EPYC™ 9005/9004 Series Processors

Up to 24 DIMMs 9TB DDR5-6000 in 1DPC

3 PCIe 5.0x 16 (1U),
up to 4 PCIe 5.0 x16 or 8 PCIe 5.0 x8 (2U)

Capabilities for GPU and CXL 2.0 support

Up to 12 front hot-swap 2.5" NVMe/ SAS/SATA drives (1U)

Up to 24 front hot-swap 2.5" NVMe/ SAS/SATA drives (2U)

Flexible networking options with
1 AIOM/OCP 3.0 support

AS -1126HS-TN

1U Hyper

AS -1126HS-TN

1U dual processor server with 24 DIMMs and up to 12 hot-swap 2.5" NVMe/SATA/SAS drives

2U Hyper

AS -2126HS-TN

2U dual processor server with 24 DIMMs and up to 24 hot-swap 2.5" NVMe/SATA/SAS drives

Highest Performance A+ Hyper Servers

The H14 Hyper DP servers are dedicated to delivering a hyper level of performance and storage I/O operations per second (IOPS), with even more flexibility. These systems support the latest 5th Gen AMD EPYC™ processors, offering up to 192 cores per CPU.

Select from NVMe, SATA, or SAS storage options to achieve the number of I/O operations per second (IOPS) your applications need to perform at their best as well as use Open Compute Project (OCP) 3.0 add-in module (AIOM) for consistent and standard networking capabilities across all of your server deployments.

Key Applications

- Virtualization
- Software Defined Storage
- Enterprise Server
- AI Inference
- HPC
- Cloud Computing

H14 CloudDC Systems

All-in-One Servers with Flexible I/O Options for Cloud-Scale Data Centers

Single socket AMD EPYC™ 9005/9004 Series Processors

Up to 12 DIMMs 4.5 TB DDR5-6000 in 1DPC

Designed with DC-MHS compliance

Flexible networking option with 1 AIOM/ OCP3 support

Up to 12 front hot-swap 2.5" NVMe/SAS/SATA drives

AS -1116CS-TN

1U CloudDC

AS -1116CS-TN
1U single processor server with 12 DIMMS and up to 12 hot-swap 2.5" NVMe/SATA/SAS drives

Cost Optimized Versatile Solutions for Rapid Cloud Deployment and Easy Maintenance

H14 CloudDC systems are single-socket systems optimized for AMD EPYC™ 9005 Series processors with up to 192 cores, and 384 threads—ready to power a wide range of cloud workloads.

The H14 CloudDC system is compliant with the OCP Data Center – Modular Hardware System (DC-MHS) standard, enabling you to dial in the type and bandwidth of network connectivity that meets your business needs.

Key Applications

- Cloud Computing
- Web Server
- Hyper-converged Storage
- Virtualization, File Servers
- Head-node Computing
- Telcom Security Server
- CDN

H14 GRANDTWIN® SYSTEMS

Leading Multi-node Architecture with Front I/O

Per Node:

Single Socket AMD EPYC™ 9005/9004 Series Processors

Up to 16 DIMMs 6TB DDR5-4400 in 2DPC

Up to 4 front hot-swap 2.5" NVMe/SATA drives

Flexible networking with optional AIOM slots

2x 2200W Redundant Titanium Level Supply

AS -2116GT-HNTF

AS-2116GT-HNTF

2U system with up to 4 NVMe /SATA drives per node

Highly Configurable Single Processor System with Front I/O

Designed for maximum density, the GrandTwin® server is built on a multi-node architecture to fully exploit the performance of AMD EPYC™ 9005/9004 processors for high single-CPU performance.

The H14 update to the GrandTwin® design includes the capability to support single EPYC™ 9005 Series processors, higher memory capability, and an optional PCIe 5.0 x16 AIOM slot. The GrandTwin® system delivers high performance in a modular design that can be optimized for a wide range of options, with the capability to add or remove components as needed to match data center needs

Key Applications

- HPC
- Telco Edge
- Cloud Computing
- EDA
- CDN
- Web Hosting Applications

Supermicro A+ H13 Servers with AMD EPYC™ 9005/9004 Series Processors Support

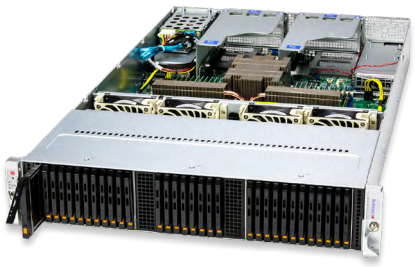
Up to 400W with H13 Motherboard R2.x

GrandTwin®

Leading Multi-Node Architecture with Front and Rear I/O

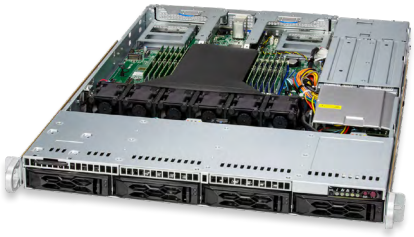
GPU

Flexible, High Density GPU Systems for AI and HPC



Storage

Cloud-Density Storage System Optimized for Software-Defined Data Centers



CloudDC

All-in-One Servers with Flexible I/O Options for Cloud Scale Data Centers

Hyper DP

Industry Leading IOPS Server with Energy Efficiency and Flexibility

Hyper UP

Industry Leading IOPS Server with Energy Efficiency and Flexibility

	Server	Motherboard	Prevision version	New version to support AMD EPYC™ 9005/9004 Series Processors
H13 Hyper	AS -1125HS-TNR AS -2025HS-TNR AS -2125HS-TNR	H13DSH	R1.10	R2.0
H13 CloudDC	AS -1015CS-TNR AS -1115CS-TNR AS -2015CS-TNR	H13SSW	R1.02	R2.0
H13 Simply Double	AGS-2015S-E1CR24H AGS-2015S-E1CR24L			
H13 Hyper U	AS -1115HS-TNR AS -2015HS-TNR AS -2115HS-TNR	H13SSH	R1.01B	R2.0
H13 4U GPU	AS -4125GS-TNRT AS -4125GS-TNRT1 AS -4125GS-TNRT2	H13DSG-O-CPU	R1.20	R2.0
Delta Next	AS -8125GS-TNHR	H13DSG-O-CPU-D	R1.20	R2.0
H13 GrandTwin	AS -2115GT-HNTR AS -2115GT-HNTF	H13SST-G	R1.10A	R2.0
H13 Storage	ASG-1115S-NE316R ASG-2115S-NE332R ASG-1115S-NE3X12R	H13SSF	R1.02A	R2.0

H14 FLEXTWIN™

(For Complete System Only)

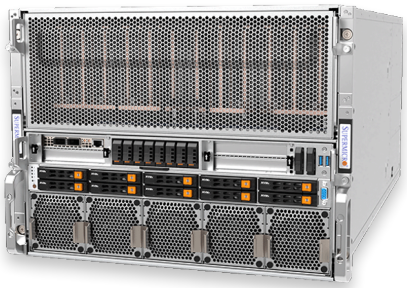
2U 4 Node Liquid-Cooled

MODEL	AS -2126FT-HE-LCC
Processor Support	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 192C/384T
Serverboard	SUPER® H14DST-F
Chipset	System on Chip
System Memory (Max.)	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM
Expansion Slots	Default 1 PCIe 5.0 x16 LP slot 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option A 1 PCIe 5.0 x16 (in x16) LP slot 1 PCIe 5.0 x16 (in x16) AIOM slot (OCP 3.0 compatible) 1 PCIe 5.0 x16 (in x16) FHHL slot
Onboard Storage Controller	
Connectivity	Via AIOM
VGA/Audio	1 VGA port
Management	Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); KVM with dedicated LAN ; IPMI 2.0; Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Drive Bays	Default: Total 2 bays 2 front hot-swap E1.S NVMe* drive bays *Optional M2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110)
Power Supply	4x 2000W Redundant (2 + 2) Titanium Level (96%) power supplies
Cooling System	16 counter-rotating 40x40x56mm Fan(s)
Form Factor	2U Rackmount

H14 GPU

(For Complete System Only)

8U GPU



10U GPU

4U Liquid-cooled

MODEL	AS -8126GS-TNMR	AS -A126GS-TNBR	AS -4126GS-NBR-LCC
Processor Support			
Serverboard			
Chipset			
System Memory (Max.)			
Expansion Slots			
Onboard Storage Controller			
Connectivity			
VGA/Audio			
Management			
Drive Bays			
Power Supply			
Cooling System			
Form Factor			

H14 PCIe GPU

(For Complete System Only)

4U 8 PCIe 5.0 GPUs

4U 10 PCIe 5.0 GPUs

MODEL	AS -5126GS-TNRT	AS -5126GS-TNRT2
Processor Support	Dual processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 192C/384T	Dual processor(s) AMD EPYC™ 9005 Series Processors Up to 192C/384T
Serverboard	SUPER® H14DSG-O-CPU	SUPER® H14DSG-O-CPU
Chipset	System on Chip	System on Chip
System Memory (Max.)	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM
Expansion Slots	Default 9 PCIe 5.0 x16 FHFL slots	Default 11 PCIe 5.0 x16 FHFL slots Option A 13 PCIe 5.0 x16 FHFL slots
Onboard Storage Controller		
Connectivity	2 RJ45 10GbE	2 RJ45 10GbE
VGA/Audio	1 VGA port	1 VGA port
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Drive Bays	Default: Total 6 bays 2 front hot-swap 2.5" SATA drive bays 4 front hot-swap 2.5" NVMe drive bays M2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)	Default: Total 10 bays 2 front hot-swap 2.5" SATA drive bays 8 front hot-swap 2.5" NVMe drive bays M2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key)
Power Supply	4x 2700W Redundant (3 + 1) Titanium Level (96%) power supplies	4x 2700W Redundant (3 + 1) Titanium Level (96%) power supplies
Cooling System	10 heavy duty fans with optimal fan speed control	10 heavy duty fans with optimal fan speed control
Form Factor	5U Rackmount	5U Rackmount

H13 GPU-Optimized

(For Complete System Only)

8U 8-GPU System

8U Universal GPU

MODEL	AS -8125GS-TNMR2	AS -8125GS-TNHR
Processor Support	AMD EPYC™ 9004 Series Processors Dual Socket (Socket SP5) supported	AMD EPYC™ 9004 Series Processors Dual Socket (Socket SP5)
Serverboard	SUPER® H13DSG-OM	SUPER® H13DSG-O-CPU-D
Chipset	System on chip	System on Chip
System Memory (Max.)	6TB 3DS ECC RDIMM DDR5-4800 MHz in 24 DIMMs	Up to 6TB 3DS ECC RDIMM DDR5-4800 MHz in 24 DIMMs
Expansion Slots	8 PCIe 5.0 x16 LP, and up to 4 FHFL PCIe 5.0 x16 Slots	8 PCIe 5.0 x16 LP, 2 FHFL PCIe 5.0 x16 Slots
Onboard Storage Controller	AMD SP5	AMD SP5
Connectivity	Optional FHFL x16 NIC for node management	Optional FHFL x16 NIC for node management
VGA/Audio	1 VGA port	1 VGA port
Management	IPMI 2.0; KVM with dedicated LAN; NMI; OOB Management Package (SFT-OOB-LIC); Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; KVM with dedicated LAN; NMI; OOB Management Package (SFT-OOB-LIC); Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	16x 2.5" hot-swap NVMe drive bays (2x 2.5" SATA)	14x 2.5" hot-swap NVMe/SATA drive bays (12x 2.5" NVMe, 2x 2.5" SATA)
Power Supply	Redundant 9000W Titanium level (96%) with option to increase to 12KW redundant power	Redundant 9000W Titanium level (96%) with option to increase to 12KW redundant power
Cooling System	10 heavy duty fan(s)	10 heavy duty fan(s)
Form Factor	8U Rackmount Enclosure: 437 x 355.6 x 843.28mm (17.2" x 14" x 33.2") Package: 698 x 750 x 1300mm (27.5" x 29.5" x 51.2")	8U Rackmount Enclosure: 437 x 355.6 x 843.28mm (17.2" x 14" x 33.2") Package: 698 x 750 x 1300mm (27.5" x 29.5" x 51.2")

H13 GPU-Optimized

(For Complete System Only)

4U Quad APU System

2U Quad APU Liquid Cool System

MODEL	AS -4145GH-TNMR	AS -2145GH-TNMR-LCC
Processor Support	AMD Instinct™ MI300A Accelerated Processing Units (APUs) Quad Socket (Socket SH5) supported	AMD Instinct™ MI300A Accelerated Processing Units (APUs) Quad Socket (Socket SH5) supported
Serverboard	SUPER® H13QSH	SUPER® H13QSH
Chipset	System on chip	System on chip
System Memory (Max.)	Up to 512GB: Onboard HBM3 (128GB per APU)	Up to 512GB: Onboard HBM3 (128GB per APU)
Expansion Slots	Default 4 PCIe 5.0 x16 FHFL slots 6 PCIe 5.0 x8 FHFL slots 2 PCIe 5.0 x8 AIOM slots (OCP 3.0 compatible) Option A 6 PCIe 5.0 x16 FHFL slots 1 PCIe 5.0 x16 FHHL slot 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option B 12 PCIe 5.0 x8 FHFL slots 2 PCIe 5.0 x8 FHHL slots 2 PCIe 5.0 x8 AIOM slots (OCP 3.0 compatible) Option C 4 PCIe 5.0 x16 FHFL slots 2 PCIe 5.0 x8 FHFL slots 2 PCIe 5.0 x8 AIOM slots (OCP 3.0 compatible)	Default 4 PCIe 5.0 x16 FHFL slots Option A 4 PCIe 5.0 x16 FHFL slots 2 PCIe 5.0 x16 FHHL slot 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
Onboard Storage Controller		
Connectivity	via AIOM and onboard dedicated BMC port	via AIOM and onboard dedicated BMC port
VGA/Audio	1 VGA port 1 Display Port	1 VGA port 1 Display Port
Management	IPMI 2.0; KVM with dedicated LAN; NMI; OOB Management Package (SFT-OOB-LIC); Redfish API; SPM; SSM; SUM; SuperDoctor® 5	IPMI 2.0; KVM with dedicated LAN; NMI; OOB Management Package (SFT-OOB-LIC); Redfish API; SPM; SSM; SUM; SuperDoctor® 5
Drive Bays	24x 2.5" hot-swap NVMe/SAS3/SATA3 drive bays; 24x 2.5" NVMe hybrid;	8x 2.5" hot-swap NVMe/SAS3/SATA3 drive bays;
Power Supply	2+ 2 redundant 2700W hot-swappable Titanium-Level power supplies	2+ 2 redundant 2700W hot-swappable Titanium-Level power supplies
Cooling System	10x 8cm heavy duty fan(s)	3x 8cm heavy duty fan(s) Liquid cooling: Direct to chip (D2C) cold plate
Form Factor	4U Rackmount Enclosure: 440.9 x 177 x 800mm (17.3" x 6.96" x 31.5") Package: 720 x 435 x 1080mm (28.34" x 17.12" x 42.5")	2U Rackmount Enclosure: 438.4 x 87.9 x 812.9mm (17.3" x 3.5" x 32") Package: 672 x 250 x 1100mm (26.5" x 9.75" x 43.5")

H13 GPU-Optimized

(For Complete System Only)

4U 8-GPU with PCIe

4U 10-GPU with PCIe

4U 10-GPU with PCIe

MODEL	AS -4125GS-TNRT	AS -4125GS-TNRT1	AS -4125GS-TNRT2
Processor Support	AMD EPYC™ 9004 Series Processors Dual Socket (Socket SP5)	AMD EPYC™ 9004 Series Processors Single Socket (Socket SP5)	AMD EPYC™ 9004 Series Processors Dual Socket (Socket SP5)
Serverboard	SUPER® H13DSG-O-CPU	SUPER® H13DSG-O-CPU	SUPER® H13DSG-O-CPU
Chipset	System on Chip	System on Chip	System on Chip
System Memory (Max.)	Up to 6TB 3DS ECC RDIMM DDR5-4800 MHz in 24 DIMMs	Up to 6TB 3DS ECC RDIMM DDR5-4800 MHz in 24 DIMMs	Up to 6TB 3DS ECC RDIMM DDR5-4800 MHz in 24 DIMMs
Expansion Slots	9 PCIe 5.0 X16 Slots	12 PCIe 5.0 X16 Slots	12 PCIe 5.0 X16 Slots
Onboard Storage Controller	AMD SP5	AMD SP5	AMD SP5
Connectivity	2x 10GbE RJ45 port(s) with Intel® Ethernet Controller X710	2x 10GbE RJ45 port(s) with Intel® Ethernet Controller X710	2x 10GbE RJ45 port(s)with Intel® Ethernet Controller X710
VGA/Audio	1 VGA port	1 VGA port	1 VGA port
Management	IPMI 2.0; KVM with dedicated LAN; NMI; OOB Management Package (SFT-OOB-LIC); Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; KVM with dedicated LAN; NMI; OOB Management Package (SFT-OOB-LIC); Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; KVM with dedicated LAN; NMI; OOB Management Package (SFT-OOB-LIC); Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	24x 2.5" hot-swap drive bays (up to 4x 2.5" NVMe dedicated)	24x 2.5" hot-swap drive bays (up to 8x 2.5" NVMe dedicated)	24x 2.5" hot-swap drive bays (up to 8x 2.5" NVMe dedicated)
Power Supply	Redundant 4000W Titanium level (96%)	Redundant 4000W Titanium level (96%)	Redundant 4000W Titanium level (96%)
Cooling System	8 heavy duty fan(s)	8 heavy duty fan(s)	8 heavy duty fan(s)
Form Factor	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: (27" x 26.57" x 41")	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: (27" x 26.57" x 41")	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: (27" x 26.57" x 41")

H14 GrandTwin™

(For Complete System Only)

2U 4-Node Front I/O

MODEL	AS -2116GT-HNTF
Processor Support	Single processor(s) AMD EPYC™ 9005 Series Processors Up to 192C/384T
Serverboard	SUPER® H14SST-G
Chipset	System on Chip
System Memory (Max.)	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 6TB 4400MT/s ECC DDR5 RDIMM
Expansion Slots	Option A 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
Onboard Storage Controller	
Connectivity	Via IO Module
VGA/Audio	1 VGA port
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Drive Bays	Default: Total 4 bays 4 front hot-swap 2.5" NVMe/SATA drive bays M2: 2 M.2 NVMe/SATA slots (M-key)
Power Supply	2x 2200W Redundant Titanium Level (96%) power supplies
Cooling System	2x 17.6K RPM Heavy Duty 8cm Fan(s)
Form Factor	2U Rackmount

H13 GrandTwin™

(For Complete System Only)

2U 4-Node Rear I/O

2U 4-Node Front I/O

MODEL	AS -2115GT-HNTR	AS -2115GT-HNTF
Processor Support	AMD EPYC™ 9005/9004 Series Processors Single Socket (Socket SP5)	AMD EPYC™ 9005/9004 Series Processors Single Socket (Socket SP5)
Serverboard	SUPER® H13SST-G	Single Socket (Socket SP5)
Chipset	System on Chip	System on Chip
System Memory (Max.)	Up to 3TB 3DS ECC RDIMM DDR5-6000MT/s in 12 DIMMs	Up to 3TB 3DS ECC RDIMM DDR5-6000MT/s in 12 DIMMs
Expansion Slots	2 AIOM/OCP 3.0 slots per node	1 PCIe 4.0 x16 LP slot optional, internal only
Onboard Storage Controller	AMD SP5	AMD SP5
Connectivity	via AIOM and onboard dedicated BMC port	via AIOM and GrandTwin I/O Module
VGA/Audio	1 VGA port	1 VGA port
Management	SuperCloud Composer; SuperDoctor® 5 (SD5); Supermicro Diagnostics Offline (SDO); Supermicro Intelligent Mgmt (BMC Resources); Supermicro IPMI Utilities; Supermicro Power Manager (SPM); Supermicro Server Manager (SSM); Supermicro Server Mgmt (Redfish® API); Supermicro Thin-Agent Service (TAS); Supermicro Update Manager (SUM)	SuperCloud Composer; SuperDoctor® 5 (SD5); Supermicro Diagnostics Offline (SDO); Supermicro Intelligent Mgmt (BMC Resources); Supermicro IPMI Utilities; Supermicro Power Manager (SPM); Supermicro Server Manager (SSM); Supermicro Server Mgmt (Redfish® API); Supermicro Thin-Agent Service (TAS); Supermicro Update Manager (SUM)
Drive Bays	6x 2.5" hot-swap NVMe/SATA drive bays	4x 2.5" hot-swap NVMe/SATA drive bays
Power Supply	Redundant 2200W Titanium level (96%)	Redundant 2200W Titanium level (96%)
Cooling System	2x 8cm heavy duty fans	2x 8cm heavy duty fans
Form Factor	2U Rackmount Enclosure: 449 x 88 x 711.2mm (17.67" x 3.46" x 28") Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28")	2U Rackmount Enclosure: 449 x 88 x 711.2mm (17.67" x 3.46" x 28") Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28")

H13 MicroCloud

(For Complete System Only)

MODEL	AS -3015MR-H10TNR	AS -3015MR-H8TNR
Processor Support	Single Socket AM5 (LGA-1718) AMD EPYC™ 4004 Series Processor Up to 16C/32T; Up to 32MB Cache	AMD EPYC™ 4004 series Processors Single Socket LGA-1718 (Socket AM5) supported TDP up to 170W
Serverboard	SUPER® H13SRE-F	SUPER® H13SRD-F
Chipset	System on Chip	AMD Knoll - Integrated I/O Controller Hub
System Memory (Max.)	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 192GB 5200MT/s ECC/non-ECC DDR5 UDIMM	4 DIMM slots Up to 128 ECC UDIMM, DDR5-5200MHz
Expansion Slots	Default 1 PCIe 5.0 x16 LP slot(s) 1 PCIe 4.0 x8 MicroLP slot(s)	PCIe 5.0 x16 LP slot(s) PCIe 5.0 x8 MLP slot(s)
Onboard Storage Controller	AMD AM5	AMD AM5
Connectivity	PCIe 5.0 MicroLP interfaces	PCIe 5.0 MicroLP interfaces
VGA/Audio	1 port(s)	1 VGA port
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)	Intel Node Manager; IPMI 2.0; KVM with dedicated LAN; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	Default: Total 2 bay(s) 2 internal fixed 2.5" PCIe 3.0 x4 NVMe/SATA drive bay(s) M2: 2 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 2280/22110)	2x 3.5" hot-swap NVMe/SAS/SATA drive bays;
Power Supply	1x 1000W/1800W/1980W/2000W/2000W/2000W Redundant Titanium Level power supply	Redundant 2200W Titanium level (80%)
Cooling System	5 Heavy Duty 8cm Fan(s)	4x 8cm heavy duty fan(s)
Form Factor	3U Rackmount	3U Rackmount Enclosure: 438 x 132 x 589mm (17.26" x 5.21" x 23.2") Package: 667 x 295.91 x 863.6mm (26.26" x 11.65" x 34")

H13 Mainstream

(For Complete System Only)

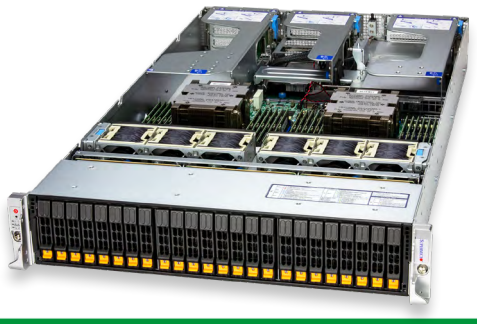
MODEL	AS -1015A-MT	AS -2015A-TR	AS -3015A-I
Processor Support	AMD EPYC™ 4004 Series Processors Single Socket supported TDP up to 170W	Single processor(s) Up to 16C/32T	Zen4 Gen AMD EPYC™ 4004 series processors Single Socket supported TDP up to 170W
Serverboard	SUPER® H13SAE-MF	SUPER® H13SAE-MF	SUPER® H13SAE-MF
Chipset	AMD B650	AMD B650	AMD B650
System Memory (Max.)	4 DIMM slots Up to 128GB: 4x 32 GB DRAM	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 128GB 5200MT/s ECC DDR5 UDIMM	4 DIMM slots Up to 128GB: 4x 32 GB DRAM
Expansion Slots	PCIe 5.0 x16 slot(s)	Default 1 PCIe 4.0 x4 LP slot(s) 2 PCIe 5.0 x16 LP slot(s)	2 PCIe 5.0 x16 slot(s)
Onboard Storage Controller			
Connectivity	1x 1GbE RJ45 port(s) with Realtek RTL8211F PHY (dedicated IPMI) 2x 1GbE RJ45 port(s) with Intel® Ethernet Controller I210-AT	1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI) 2 RJ45 1GbE with Intel® I210-AT	1x 1GbE RJ45 port(s) with Realtek RTL8211F PHY (dedicated IPMI) 2x 1GbE RJ45 port(s) with Intel® Ethernet Controller I210-AT
VGA/Audio	1 VGA port	Rear Audio	1 VGA port
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)	
Drive Bays	1x 3.5" SATA drive bays;	Default: Total 8 bay(s) 8 front hot-swap 3.5" SAS/SATA drive bay(s) M2: 2 M.2 PCIe 5.0 x4 NVMe slot(s) (M-key 2280/22110)	4x 3.5" SATA drive bays;
Power Supply	500WW Platinum level (93%)	1x 800W Redundant Titanium Level power supply	668WW Platinum level (92%)
Cooling System	6x 40mmcm heavy duty fan(s)	3x 80mm Fan(s)	2x 9cm heavy duty fan(s)
Form Factor	1U Rackmount Enclosure: 437 x 43 x 429mm (17.2" x 1.7" x 16.9") Package: 686 x 203 x 610mm (27" x 8" x 24")	2U Rackmount	Mini-Tower Rackmount Enclosure: 184 x 362 x 425mm (7.25" x 14.25" x 16.75") Package: 279 x 508 x 533mm (11" x 20" x 21")

H14 HYPER

(For Complete System Only)

1U Hyper

2U Hyper



MODEL	AS -1126HS-TN	AS -2126HS-TN
Processor Support	Dual processors (Socket SP5) AMD EPYC™ 9005/9004 Series Processors Up to 384C/768T (Support based on Thermal Solution)	Dual processors (Socket SP5) AMD EPYC™ 9005/9004 Series Processors Up to 384C/768T (Support based on Thermal Solution)
Serverboard	SUPER® H14DSH	SUPER® H14DSH
Chipset	System on Chip	System on Chip
System Memory (Max.)	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor)	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor)
Expansion Slots	Default 1 PCIe 5.0 x16 FHHL slot 2 PCIe 5.0 x16 FHFL slots 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)	Option A 4 PCIe 5.0 x16 FHFL double-width slots 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option B 8 PCIe 5.0 x8 (in x16) FHFL slots 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
Onboard Storage Controller	AMD SP5	AMD SP5
Connectivity	AIOM / OCP 3.0	AIOM / OCP 3.0
VGA/Audio	1 VGA port	1 VGA port
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); KVM with dedicated LAN ; IPMI 2.0; Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!	SuperCloud Composer; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); KVM with dedicated LAN ; IPMI 2.0; Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Drive Bays	Default: Total 8 bays 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays Option A: Total 12 bays 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays *Optional M2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key 2280/22110)	Default: Total 8 bays 8 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays Option A: Total 24 bays 24 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays *Optional M2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key 2280/22110)
Power Supply	2x 1600W Redundant (1 + 1) Titanium Level (96%) power supplies	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
Cooling System	8 counter-rotating 40x40x56mm Fans	6 counter-rotating 60x60x56mm Fans
Form Factor	1U Rackmount Enclosure: 437 x 43 x 778.7mm (17.2" x 1.7" x 30.66") Package: 672 x 224 x 1100mm (26.46" x 8.82" x 43.31")	2U Rackmount Enclosure: 437 x 88.9 x 806.2mm (17.2" x 3.5" x 31.74") Package: 672 x 253 x 1100mm (26.46" x 9.96" x 43.31")

*Drive support depends on selected configuration. Please see the parts list on product website for more details.

H13 HYPER

(For Complete System Only)

1U Hyper

2U Hyper

2U Hyper

MODEL	AS -1125HS-TNR	AS -2025HS-TNR	AS -2125HS-TNR
Processor Support	Dual processors (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 320C/640T (Support based on Thermal Solution)	Dual processors (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 320C/640T (Support based on Thermal Solution)	Dual processors (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 320C/640T (Support based on Thermal Solution)
Serverboard	SUPER●® H13DSH	SUPER●® H13DSH	SUPER●® H13DSH
Chipset	System On Chip	System On Chip	System on Chip
System Memory (Max.)	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 9TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)
Expansion Slots	2 PCIe 5.0 x16 FH, 10.5"L and 1 PCIe 5.0 x16, FH, 6.6"L	Configurable PCIe slot options up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 FH, 10.5"L	Configurable PCIe slot options up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 FH, 10.5"L
Onboard Storage Controller	AMD SP5	AMD SP5	AMD SP5
Connectivity	AIOM / OCP 3.0	AIOM / OCP 3.0	AIOM / OCP 3.0
VGA/Audio	1 VGA port	1 VGA port	1 VGA port
Management	IPMICFG; IPMIView for Linux/ Windows; IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMICFG; IPMIView for Linux/ Windows; IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMICFG; IPMIView for Linux/ Windows; IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	8x 2.5" hot-swap NVMe*/SAS*/SATA* drives bays (Option for up to 12 drives);	12x 3.5" hot-swap NVMe*/SAS*/SATA* drive bays	24x 2.5" hot-swap NVMe*/SAS*/SATA* drive bays
Power Supply	Redundant 1200W Titanium level (96%)	Redundant 1600W Titanium level (96%)	Redundant 1600W Titanium level (96%)
Cooling System	8x heavy-duty fans w/ Optimal Fan Speed Control	4x heavy-duty fans w/ optimal Fan Speed Control	4x heavy-duty fans w/ Optimal Fan Speed Control
Form Factor	1U Rackmount Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4") Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")	2U Rackmount Enclosure: 437 x 88.9 x 803mm (17.2" x 3.5" x 31.6") Package: 605 x 263 x 1107mm (23.8" x 10.4" x 43.6")	2U Rackmount Enclosure: 437 x 88.9 x 760mm (17.2" x 3.5" x 29.9") Package: 605 x 263 x 1107mm (23.8" x 10.4" x 43.6")

AMD EPYC™ 9005 series drop-in support requires board revision 2.x
**Drive support depends on selected configuration. Please see the parts list on product website for more details.*

H13 HYPER-U

(For Complete System Only)

1U Hyper	*2U Hyper*	*2U Hyper*
		

MODEL	AS -1115HS-TNR	AS -2015HS-TNR	AS -2115HS-TNR
Processor Support	Single processor (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 160C/320T (Support based on Thermal Solution)	Single processor (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 160C/320T (Support based on Thermal Solution)	Single processor (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 160C/320T (Support based on Thermal Solution)
Serverboard	SUPER●® H13SSH	SUPER●® H13SSH	SUPER●® H13SSH
Chipset	System On Chip	System On Chip	System On Chip
System Memory (Max.)	24 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (2DPC): Up to 6TB 4000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 5200MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (2DPC): Up to 9TB 4400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)	24 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (2DPC): Up to 6TB 4000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 5200MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (2DPC): Up to 9TB 4400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)	24 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (2DPC): Up to 6TB 4000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 5200MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (2DPC): Up to 9TB 4400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)
Expansion Slots	Default · 1 PCIe 5.0 x16 FHHL slot · 2 PCIe 5.0 x16 FHFL slots · 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)	Configurable PCIe slot options up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 FHFL	Configurable PCIe slot options up to 8 PCIe 5.0 x8 or 4 PCIe 5.0 x16 FHFL
Onboard Storage Controller	AMD SP5	AMD SP5	AMD SP5
Connectivity	AIOM / OCP 3.0	AIOM / OCP 3.0	AIOM / OCP 3.0
VGA/Audio	1 VGA port	1 VGA port	1 VGA port
Management	IPMICFG; IPMIView for Linux/ Windows; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMICFG; IPMIView for Linux/ Windows; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMICFG; IPMIView for Linux/ Windows; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	8x 2.5" hot-swap NVMe*/SAS*/SATA* drive bays	12x 3.5" hot-swap NVMe*/SAS*/SATA* drive bays	24x 2.5" hot-swap NVMe*/SAS*/SATA* drive bays;
Power Supply	Redundant 1200W Titanium level (96%)	Redundant 1600W Titanium level (96%)	Redundant 1600W Titanium level (96%)
Cooling System	8x 4cm heavy duty fan(s)	4x 8cm heavy duty fan(s)	4x 8cm heavy duty fan(s)
Form Factor	1U Rackmount Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4") Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")	2U Rackmount Enclosure: 437 x 88.9 x 803mm (17.2" x 3.5" x 31.6") Package: 605 x 263 x 1107mm (23.8" x 10.4" x 43.6")	2U Rackmount Enclosure: 437 x 88.9 x 760mm (17.2" x 3.5" x 29.9") Package: 605 x 263 x 1107mm (23.8" x 10.4" x 43.6")

AMD EPYC™ 9005 series drop-in support requires board revision 2.x
**Drive support depends on selected configuration. Please see the parts list on product website for more details.*

H14 CloudDC

(For Complete System Only)

1U CloudDC

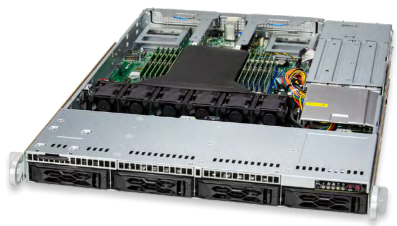
MODEL	AS -1116CS-TN
Processor Support	Single processor (Socket SP5) AMD EPYC™ 9005/9004 Series Processors Up to 192C/384T (Support based on Thermal Solution)
Serverboard	SUPER® H14SHM
Chipset	System on Chip
System Memory (Max.)	Slot Count: 12 DIMM Slots/12 Channels Max Memory (1DPC): Up to 4.5TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor)
Expansion Slots	Default 2 PCIe 5.0 x16 FHHL slots 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
Onboard Storage Controller	AMD SP5
Connectivity	AIOM / OCP 3.0
VGA/Audio	1 VGA port(Rear)
Management	SuperCloud Composer; Supermicro Server Manager (SSM); OOB Management Package (SFT-OOB-LIC); SuperServer Automation Assistant (SAA) New!
Drive Bays	Default: Total 8 bays • 8 front hot-swap 2.5" PCIe 5.0 NVMe*/SAS*/SATA* drive bays Option A: Total 12 bays • 12 front hot-swap 2.5" PCIe 5.0 NVMe*/SAS*/SATA* drive bays *Optional 2 M.2 PCIe 3.0 x2 NVMe slots (M-key 2280/22110) via M.2 carrier board
Power Supply	2x 1000W Redundant (1 + 1) Titanium Level (96%) power supplies
Cooling System	8 Counter-Rotating PWM 40x40x56mm Fan(s)
Form Factor	1U Rackmount Enclosure: 437 x 43 x 747mm (17.2" x 1.7" x 29.4") Package: 605 x 206 x 1032mm (23.8" x 8.1" x 40.6")

*Drive support depends on selected configuration. Please see the parts list on product website for more details.

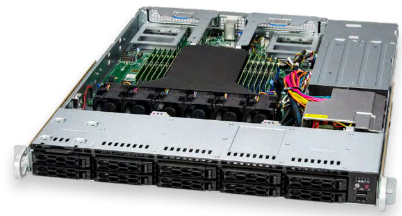
H13 CloudDC

(For Complete System Only)

1U CloudDC



1U CloudDC



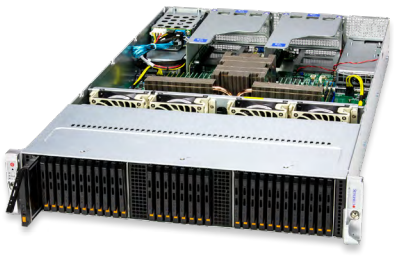
2U CloudDC

MODEL	AS -1015CS-TNR	AS -1115CS-TNR	AS -2015CS-TNR
Processor Support	Single processor (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 160C/320T (Support based on Thermal Solution)	Single processor (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 160C/320T (Support based on Thermal Solution)	Single processor (Socket SP5) AMD EPYC™ 9004/9005 Series Processors Up to 160C/320T (Support based on Thermal Solution)
Serverboard	SUPER® H13SSW	SUPER® H13SSW	SUPER® H13SSW
Chipset	System on Chip	System on Chip	System on Chip
System Memory (Max.)	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)
Expansion Slots	2 PCIe 5.0 x16 FHHL slots 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)	· 2 PCIe 5.0 x16 FHHL slots · 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)	Default · 2 PCIe 5.0 x16 FHFL slots · 2 PCIe 5.0 x16 FHHL slots · 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) Option · 2 PCIe 5.0 x8 FHFL slots
Onboard Storage Controller	AMD SP5	AMD SP5	AMD SP5
Connectivity	Dual AIOM/ OCP3.0	Dual AIOM/ OCP3.0	Dual AIOM/ OCP3.0
VGA/Audio	1 VGA	1 VGA	1 VGA
Management	IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	4x 3.5" hot-swap NVMe*/SATA/SAS* hybrid drive bays	10x 2.5" hot-swap NVMe*/SATA/SAS* hybrid drive bays	12x 3.5"/2.5" hot-swap SATA drive bays Optional 4 hot-swap NVMe* or 12 SAS* drives
Power Supply	Redundant 860W Platinum level (94%)	Redundant 860W Platinum level (94%)	Redundant 1200W Titanium level (96%)
Cooling System	6x 4cm heavy duty fans	6x 4cm heavy duty fans	3x 8cm heavy duty fans
Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: 605 x 197 x 878mm (23.8" x 7.8" x 34.6")	1U Rackmount Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5") Package: 605 x 197 x 822mm (23.8" x 7.8" x 32.4")	2U Rackmount Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 678 x 290 x 876mm (26.7" x 11.4" x 34.5")

AMD EPYC™ 9005 series drop-in support requires board revision 2.x
*Drive support depends on selected configuration. Please see the parts list on product website for more details.

H13 Storage Servers

(For Complete System Only)



MODEL	ASG-1115S-NE316R	ASG-2115S-NE332R
Processor Support	AMD EPYC™ 9005/9004 Series Processor (the latest AMD EPYC™ 9004 Series Processor with AMD 3D V-Cache™ Technology) Single Socket (Socket SP5) supported TDP up to 300W; 4 UPI	AMD EPYC™ 9005/9004 Series Processor (the latest AMD EPYC™ 9004 Series Processor with AMD 3D V-Cache™ Technology) Single Socket (Socket SP5) supported TDP up to 300W; 4 UPI
Serverboard	SUPER® H13SSF	SUPER® H13SSF
Chipset	AMD SP5	AMD SP5
System Memory (Max.)	24 DIMM slots Up to 6TB: 24x 256 GB DRAM 4800MHz ECC DDR5 RDIMM;LRDIMM	
Expansion Slots	2 PCIe 5.0 x16 AIOM slot(s) 2 PCIe 5.0 x16 FH slot(s)	2 PCIe 5.0 x16 AIOM slot(s) 2 PCIe 5.0 x16 FH slot(s)
Onboard Storage Controller	N/A	N/A
Connectivity	via AIOM	via AIOM
VGA/Audio	1 VGA port	1 VGA port
Management	IPMI 2.0; NMI; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; NMI; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	16x E3.S Hot-swap NVMe (1T/2T) drive slots	
Power Supply	Redundant 1600W Titanium level (96%)	Redundant 2000W Titanium level (96%)
Cooling System	8x 4cm heavy duty fan(s)	4x 8cm heavy duty fan(s)
Form Factor	1U Rackmount Enclosure: 438.4 x 43.6 x 773.25mm (17.2" x 1.7" x 30.4") Package: 604.774 x 199.898 x 1029.97mm (23.81" x 7.87" x 40.55")	2U Rackmount Enclosure: 438.4 x 89.8 x 789.9mm (17.2" x 3.5" x 30.8")

H13 Short-Depth Front I/O

(For Complete System Only)

Short-Depth AC

Short-Depth DC

MODEL	AS -1115S-FWTRT	AS -1115S-FDWTRT
Processor Support	Single Socket AMD EPYC™ 8004 Series Processor up to 225W	Single Socket AMD EPYC™ 8004 Series Processor up to 225W
Serverboard	SUPER® H13SVW-NT	SUPER® H13SVW-NT
System Memory (Max.)	6 DIMM slots, DDR5-4800MHz memory, support up to 576GB	6 DIMM slots, DDR5-4800MHz memory, support up to 576GB
Expansion Slots	Slot 1: PCIe 5.0 x16 FHFL Slot 2: PCIe 5.0 x16 FHFL Slot 3: PCIe 5.0 x16 LP	Slot 1: PCIe 5.0 x16 FHFL Slot 2: PCIe 5.0 x16 FHFL Slot 3: PCIe 5.0 x16 LP
Onboard Storage Controller	System on Chip	System on Chip
Connectivity	2x 10GbE RJ45 port(s) with Broadcom BCM57416	2x 10GbE RJ45 port(s) with Broadcom BCM57416
VGA/Audio	1 onboard VGA port	1 onboard VGA port
Management	Built-in Server management tool (IPMI 2.0, KVM/media over LAN) with dedicated LAN port	Built-in Server management tool (IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	2x 2.5" SATA/SAS/NVMe drive bays;	2x 2.5" SATA/SAS/NVMe drive bays;
Power Supply	2x 800W Redundant AC Platinum Level power supplies	2x 600W Redundant DC power supplies
Cooling System	6x 4cm heavy duty fan(s)	6x 4cm heavy duty fan(s)
Form Factor	1U Rackmount Enclosure: 436.88 x 44.5 x 429.3mm (17.2" x 1.7" x 16.9") Package: 685 x 203 x 609mm (27" x 8" x 24")	1U Rackmount Enclosure: 436.88 x 44.5 x 429.3mm (17.2" x 1.7" x 16.9") Package: 685 x 203 x 609mm (27" x 8" x 24")

H13 WIO

WIO -1U

WIO -1U

WIO -2U

MODEL	AS -1015SV-WTNRT	AS -1115SV-WTNRT	AS -2015SV-WTNRT
Processor Support	Single processor (Socket SP6) AMD EPYC™ 8004 Series Processors Up to 64C/128T (Support based on Thermal Solution)	Single processor (Socket SP6) AMD EPYC™ 8004 Series Processors Up to 64C/128T (Support based on Thermal Solution)	Single processor (Socket SP6) AMD EPYC™ 8004 Series Processors Up to 64C/128T (Support based on Thermal Solution)
Serverboard	SUPER® H13SVW-NT	SUPER® H13SVW-NT	SUPER® H13SVW-NT
System Memory (Max.)	System On Chip	System On Chip	System On Chip
Expansion Slots	2 PCIe 5.0 x16 FHFL slots 1 PCIe 5.0 x16 FHHL slots	2 PCIe 5.0 x16 FHFL slots 1 PCIe 5.0 x16 FHHL slots	2 PCIe 5.0 x16 FHFL slots 2 PCIe 5.0 x8 LP slots
Onboard Storage Controller	AMD SP6	AMD SP6	AMD SP6
Connectivity	2x 10Gb RJ45 port(s) with Broadcom BCM57416	2x 10Gb RJ45 port(s) with Broadcom BCM57416	2x 10Gb RJ45 port(s) with Broadcom BCM57416
VGA/Audio	1 onboard VGA port	1 onboard VGA port	1 onboard VGA port
Management	IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog	IPMI 2.0; KVM with dedicated LAN; NMI; Redfish API; SPM; SSM; SUM; SuperDoctor® 5; Watch Dog
Drive Bays	4x 3.5" hot-swap SATA/SAS/NVMe drive bays	10x 2.5" hot-swap SATA/SAS/NVMe drive bays or 6x SATA/NVMe hybrid + 4 SATA	12x 3.5"/2.5" hot-swap SATA/SAS drive bays or 6 SATA/NVMe hybrid + 6 SATA drive bays
Power Supply	Redundant 860W Titanium Level (96%)	Redundant 860W Titanium Level (96%)	Redundant 800W Titanium Level (96%)
Cooling System	6x 4cm heavy duty fans	6x 4cm heavy duty fans	3x 8cm heavy duty fans
Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: 597 x 216 x 856mm (23.5" x 8.5" x 33.7")	1U Rackmount Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5") Package: 597 x 197 x 800mm (23.5" x 7.75" x 31.5")	2U Rackmount Enclosure: 437 x 89 x 650mm (17.2" x 3.5" x 25.6") Package: 673 x 292 x 864mm (26.5" x 11.5" x 34")

System Management Software

Leverage Supermicro's Management Software Suite to Meet Your IT Infrastructure Challenges

With a comprehensive range of high-end software solutions, Supermicro gives IT administrators the tools to optimize the management of IT systems and increase the utilization of computing and storage infrastructure. Whether you are looking to manage individual systems, optimize server lifecycle processes, or streamline operations for an entire data center, Supermicro has the right software to help you accomplish your goals.

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- Maintain system uptime to meet SLAs
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- Remote management and troubleshooting

- Protect your IT infrastructure from external threats
- Centralized patch and BIOS management
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System Management Software Suite Bundles

Supermicro's System Management Software Suite consists of a set of specialized applications. These are available in the following bundles.

Suite Bundle	Standard	Basic	Advanced	Enterprise
Description	Covers all core functionality to effectively set up, manage, and monitor your Supermicro systems. These features are available to all Supermicro users.	Extends the core functionality and makes system management easier with additional features, such as remote BIOS management and system updates.	Delivers a broad set of tools to help administrators improve the performance, up-time, and monitoring of Supermicro systems.	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.
License	• No license required	• SFT-OOB-LIC	• SFT-DCMS-SINGLE	• SFT-DCMS-SINGLE + • SFT-SDDC-SINGLE
Key Features*	• Secure remote console (KVM/ HTML5) • System temperature monitoring • System power thresholds & alerts • Component monitoring • Email alerting • Remote configuration • Offline diagnostics • Crash dump • License management	• 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	• 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	• 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

** For detailed information, please check with your Supermicro sales representative or refer to Supermicro website: https://www.supermicro.com/en/solutions/management-software*

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- One of the largest high-tech R&D, manufacturing, and business hubs in Silicon Valley
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