



Workstation & Gaming Solutions Built for Your Imagination



Drastically Reduce Render Times

| Accelerate 3D Design and Animation

| Create Stunning Videos and Graphics



Introducing Supermicro Workstation and Gaming Solutions

Accelerate Your Workflow with Supermicro High-Performance Workstations

Experience the latest technology:

PCI-E 4.0 x16 (twice as fast as PCI-E 3.0)
 USB 3.2 Gen 2x2 Type-C (20 Gbps) & 10G LAN

Solutions for
 Professional Gaming
 Video Editing
 3D Modeling
 Animation and Dynamics

SERVER GRADE VALIDATION



Server Laboratory Certification confirms the ability of Supermicro to deliver long-standing durability and stability for your Gaming PC. This validation incorporates:

- Up to 16,000 hours of validation testing
- Over 1,300 validation
- Over 300 lab engineers worldwide

INDUSTRY STANDARD NETWORKING



Supermicro motherboards are equipped with Gigabit LAN connections, including 10G options for the fastest possible performance.

POWER EFFICIENCY



Our design incorporates digital PWMs, DrMOS and ferrite chokes for higher power efficiency while maintaining cooler temperatures, increasing stability in gaming, overclocking, and when simulating real-world forces (such as 3D modeling).

24/7 RELIABILITY



Similar to a server running 24/7 with no shutdown time, Supermicro motherboards are designed to minimize heat and power loss. Top-grade components are utilized to enhance overall performance and durability even under the most challenging conditions.

Manufacturing and Product Design

SuperWorkstation



Advanced performance, server-grade reliability, and high customizability make Supermicro SuperWorkstations ideal for engineers and product designers. Whether building complex 3D models, rendering photo-realistic designs, or simulating product performance, SuperWorkstation solutions offer a wide range of configurations to accelerate productivity. Featuring 2nd Gen Intel® Xeon® SP and W-2200 series processors, NVIDIA® Quadro® Professional GPUs, and ultra-fast NVMe storage, Supermicro can custom-configure an optimal workstation solution for every MPD workflow and budget.



SYS-5049A-T



AS-5014A-TT

SYS-5049A-T For Video Editing and Rendering

- CPU** • Supports 1st/2nd Gen Intel® Xeon® SP processors, up to 4.0Ghz Turbo; up to 28 Cores
- Memory** • Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz
- Storage** • 4x M.2 NVMe slots
• 8x front hot-swappable bays (3.5" or 2.5")

- GPU** • Up to 2 GPUs

- I/O** • 6x USB 3.1 Gen 1 (2x front, 4x rear)
• 1x USB 3.1 Gen 2 Type A (rear)
• 1x USB 3.1 Gen 2 Type C (rear)
• 7.1 HD Audio

- Network** • 1GbE LAN (Intel® i210AT)
• 10GbE LAN (Acquantia AQC107)
• 1GbE LAN (Dedicated IPMI)

- Power** • 1200W 80PLUS Gold Power Supply

- Form Factor** • Full Tower with rackmount option

AS-5014A-TT For Video Editing and Rendering

- CPU** • Supports AMD Ryzen™ Threadripper™ PRO 3900WX Series, up to 4.3GHz; up to 64 cores

- Memory** • Up to 2TB ECC RDIMM, DDR4-3200MHz

- Storage** • 4x M.2 NVMe PCI-E slots
• 2x U.2 PCI-E Gen2 ports
• 4x SATA ports

- GPU** • Up to 4 GPUs

- I/O** • 1x USB 3.2 Gen2 Type C (rear)
• 5x USB 3.2 Gen 2 (5x Type A rear, 1x Type C front)
• 5x USB 3.2 Gen 1 (3 rear, 2 front)
• 2x USB 2.0 Type A (front)
• 7.1 HD Audio

- Network** • 1GbE LAN, shared with IPMI (Intel® i210AT)
• 10GbE LAN (Marvell AQC113C)

- Power** • 2000W 80PLUS Platinum Power Supply

- Form Factor** • Full Tower with rackmount option



Media and Entertainment

SuperWorkstation



Major movie studios, production houses and VFX studios choose Supermicro server solutions for reliability, performance, and scalability. Supermicro now delivers the same features and value in certified workstation solutions. From high clock frequency systems for 3D modeling to multi-core configurations for rendering, Supermicro can offer an optimized workstation solution for any creative application.



SYS-5049A-T



AS-5014A-TT

	SYS-5049A-T For 3D Modeling and Animation	AS-5014A-TT For Video Editing and Rendering
CPU	<ul style="list-style-type: none"> Supports 1st/2nd Gen Intel® Xeon™ SP processors, up to 4.0GHz Turbo; up to 28 cores 	<ul style="list-style-type: none"> Supports AMD Ryzen™ Threadripper™ PRO 3900WX Series, up to 4.3GHz; up to 64 cores
Memory	<ul style="list-style-type: none"> Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz 	<ul style="list-style-type: none"> Up to 2TB ECC RDIMM, DDR4-3200MHz
Storage	<ul style="list-style-type: none"> 4x M.2 NVMe slots 8x front hot-swappable bays (3.5" or 2.5") 	<ul style="list-style-type: none"> 4x M.2 NVMe PCI-E slots 2x U.2 PCI-E Gen2 ports 4x SATA ports
GPU	<ul style="list-style-type: none"> Up to 2 GPUs 	<ul style="list-style-type: none"> Up to 4 GPUs
I/O	<ul style="list-style-type: none"> 6x USB 3.1 Gen 1 (2x front, 4x rear) 1x USB 3.1 Gen 2 Type A (rear) 1x USB 3.1 Gen 2 Type C (rear) 7.1 HD Audio 	<ul style="list-style-type: none"> 1x USB 3.2 Gen2x2 Type C (rear) 5x USB 3.2 Gen 2 (5x Type A rear, 1x Type C front) 5x USB 3.2 Gen 1 (3 rear, 2 front) 2x USB 2.0 Type A (front) 7.1 HD Audio
Network	<ul style="list-style-type: none"> 1GbE LAN (Intel® i210AT) 10GbE LAN (Acquantia AQC107) 1GbE LAN (Dedicated IPMI) 	<ul style="list-style-type: none"> 1GbE LAN, shared with IPMI (Intel® i210AT) 10GbE LAN (Marvell AQC113C)
Power	<ul style="list-style-type: none"> 1200W 80PLUS Gold Power Supply 	<ul style="list-style-type: none"> 2000W 80PLUS Platinum Power Supply
Form Factor	<ul style="list-style-type: none"> Mid-Tower 	<ul style="list-style-type: none"> Full Tower with rackmount option



Architecture, Engineering and Construction

SuperWorkstation



Accelerate AEC workflows and increase productivity with Supermicro single-processor workstation solutions. Powered by NVIDIA® Quadro® professional GPUs, high clock frequency Intel® Core™ processors, and enterprise-grade NVMe storage, Supermicro workstations are powerful, reliable, and cost-effective solutions for today's demanding business needs.



SYS-5039C-T



SYS-5039AD-I

SYS-530A-IL

For 2D Design

CPU • Supports Intel® Xeon® W-1200 / W-1300 processors, up to 5.3Ghz Turbo; up to 10 cores

Memory • Up to 128GB ECC UDIMM DDR4-3200MHz

Storage • 2x M.2 NVMe; 4x SATA ports

GPU • Up to 1 GPU

I/O • 1x USB 3.2 Gen 2 Type C (front)
• 4x USB 3.2 Gen 1 (2x front, 2x Rear)
• 3x USB 3.2 Gen 2 Type A (rear)
• 7.1 HD Audio

Network • 1GbE LAN (Intel® i219LM)
• 2.5GbE LAN (Intel® i224V)

Power • 668W 80PLUS Platinum Power Supply

Form Factor • Mid-Tower

SYS-5039AD-I

For 3D Modeling and Animation

CPU • Supports Intel® Core X-Series processors, up to 4.8Ghz Turbo; up to 18 Cores

Memory • Up to 256GB non-ECC UDIMM DDR4-2933MHz

Storage • 2x M.2 NVMe; 1x U.2 and 6x SATA ports

GPU • Up to 2 GPUs

I/O • 6x USB 3.1 Gen 1 (2x front, 4x rear)
• 4x USB 3.1 Gen 2 (3x rear Type A and 1 rear Type C)
• 7.1 HD Audio

Network • 1GbE LAN (Intel® i219LM)
• 5GbE LAN (Acquainta AQC108)

Power • 750W 80PLUS Gold Power Supply

Form Factor • Mid-Tower



Artificial Intelligence and Deep Learning

SuperWorkstation

Delivering incredible performance running Deep Learning applications, the Supermicro SYS-540A-TR is an ideal development workstation designed for engineers or researchers who need a robust system with high CPU and GPU computational core counts.

Featuring Intel® Xeon® W-3300 series processors, up to 4 NVIDIA® GPUs, and ultra-fast NVMe storage, the SYS-540A-TR is ready to accelerate deep learning research right from the desk.



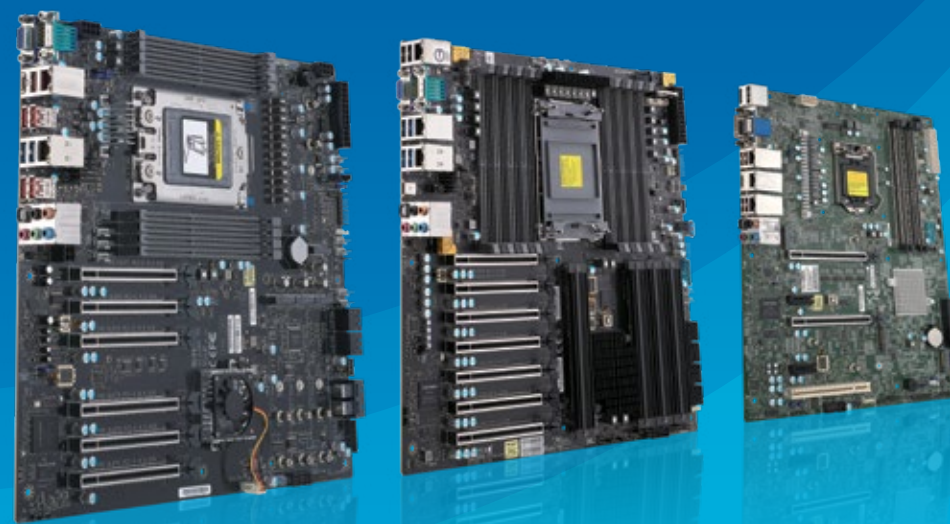
SYS-540A-TR



SYS-540A-TR For Multi-GPU applications

- | | |
|-------------|--|
| CPU | • Supports 3rd Gen Intel® Xeon® Scalable processor, or Intel® Xeon® W-3300 processors, up to 4.0Ghz Turbo; up to 40 cores |
| Memory | • Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz |
| Storage | • 4x M.2 NVMe PCI-E 4.0 slots
• 8x front hot-swappable bays (3.5" or 2.5") |
| GPU | • Up to 4 GPUs (active or passive) |
| I/O | • 2x USB 2.0 (rear)
• 6x USB 3.2 Gen 1 (2x front, 4x rear)
• 2x USB 3.2 Gen 2 1x Type A and 1x Type C (rear)
• 1x USB 3.2 Gen 2x2 Type C (rear)
• 7.1 HD Audio |
| Network | • 1GbE LAN (Intel® i210AT)
• 10GbE LAN (Marvell AQC113)
• 1GbE LAN (Dedicated IPMI) |
| Power | • 2200W redundant 80PLUS Platinum power supply |
| Form Factor | • Full Tower with rackmount option |

SuperWorkstation Motherboards



Expertise Workstation

M12SWA-TF

Outstanding E-ATX supporting AMD® Threadripper™ Pro processors, up to 4 double-width GPUs, dual LAN and IPMI

- AMD® Threadripper® Pro™ processor for 1S workstation
- 6 PCI-E 4.0 x16 slots supporting 6 single-width, 4 double-width or 2 triple-width GPU/graphics cards
- Up to 2TB 3DS ECC RDIMM/256GB UDIMM, DDR4-3200MHz
- 10Gb/s AQC113C and Intel® 1Gb/s LAN support shared with IPMI
- IPMI with dedicated VGA



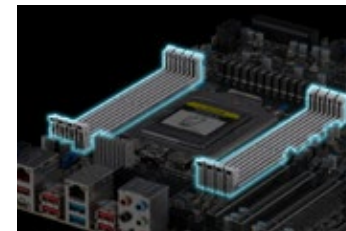
Features



64-core AMD® Threadripper™ Pro processor



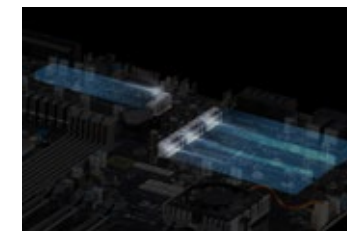
6 PCI-E 4.0 x16 slots up to 6 GPUs



Up to 2TB ECC RDIMM



1 USB 3.2 Gen 2x2 (20Gb) Type-C



4 M.2 + 2 U.2 (PCI-E 4.0 x4)



1 10Gb + 1 1Gb LAN (shared IPMI)



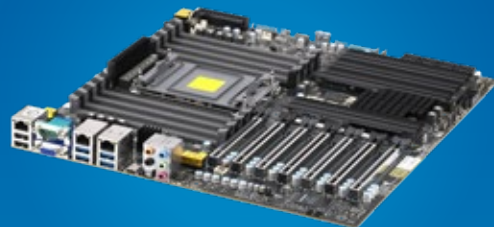
Workstation and Gaming
Solutions



X12SPA-TF

Outstanding E-ATX for Intel® Xeon® SP/W Processor supporting 4 GPUs with Triple LAN and IPMI

NEW!



X12SAE-5

Cross Platform ATX for Intel® Xeon® W Processors with Dual LAN

NEW!



X12SCA-5F

Cross-platform ATX for Intel® Xeon® W Processors with Triple LAN & IPMI

NEW!



X12SAE

Superb ATX for Intel® Xeon® & Core™ CPUs with Dual LAN



X12SCA-F

Exceptional ATX for Intel® Xeon® & Core™ CPUs with Triple LAN & IPMI



Intel® Xeon® Scalable & W-3300 processors for 1S workstation

4 GPU cards (PCI-E 4.0 x16) or 7 GPU cards (PCI-E 4.0 x8)

Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz

10Gb/s AQC113 and Intel® 1Gb/s LAN support

IPMI with dedicated VGA and LAN ports

Intel® Xeon® W-1200/W-1300 or 10/11th Gen Core™ i processor

2 PCI-E 4.0 x16 for double-width GPUs (8/8 or 16/NA);
2 PCI-E 3.0 x1; 1 5V 32 bits

128GB unbuffered ECC RDIMM, DDR4-3200MHz

3 M.2 (1 PCI-E 4.0 x4, 2 PCI-E 3.0 x4) RAID 0,1

Lightning Fast 2.5Gb/s LAN

Intel® Xeon® W-1200/W-1300 processor; 10/11th Gen Core™ i processor

2 PCI-E 4.0 x16 for double-width GPUs (8/8 or 16/NA);
2 PCI-E 3.0 x1; 1 5V 32 bits

IPMI with dedicated VGA and LAN ports

3 M.2 (1 PCI-E 4.0 x4, 2 PCI-E 3.0 x4) RAID 0,1

Lightning Fast 2.5Gb/s LAN

Intel® Xeon® W-1200 & 10th Gen Core™ i processor

2 PCI-E 3.0 x16 Slots (metal armor, 16/NA or 8/8) + 1 PCI slot

Up to 128GB DDR4 ECC memory; up to 3200MHz (2dpc)

2 M.2 Optimized Storage Performance, RAID 0,1

Intel® 2.5Gb/s LAN support

Intel® Xeon® W-1200 & 10th Gen Core™ i processor

2 PCI-E 3.0 x16 Slots (metal armor, 16/NA or 8/8) + 1 PCI slot

IPMI with dedicated VGA and LAN ports

2 M.2 Optimized Storage Performance, RAID 0,1

Intel® 2.5Gb/s LAN support



www.supermicro.com/superworkstation





Workstation and Gaming Solutions



X11SPA-TF

Outstanding E-ATX for Intel® Xeon® SP Processors supporting 4 GPUs with Triple LAN & IPMI



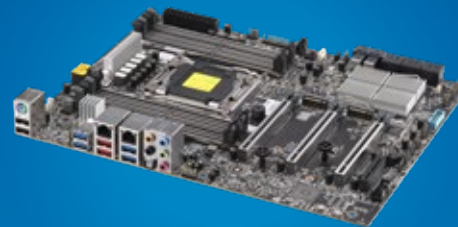
X11SPA-T

Outstanding E-ATX for Intel® Xeon® SP/W Processors supporting 4 GPUs with Triple LAN & IPMI



X11SRA

Superior ATX for Intel® Xeon® W Processors with Dual LAN



X11SRA-F

Superior ATX for Intel® Xeon® W Processors with Dual LAN & IPMI



X11SRA-RF

Superior ATX for Intel® Xeon® W Processors with Dual LAN & IPMI



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Intel® Xeon® Scalable processor for 1S workstation	Intel® Xeon® Scalable & W-3200 processors for 1S workstation	Intel® Xeon® W-2100/W-2200 processor	Intel® Xeon® W-2100/W-2200 processor	Intel® Xeon® W-2100/W-2200 processor
4 GPU cards (PCI-E 3.0 x16) or 7 GPU cards (PCI-E 3.0 x8)	4 GPU cards (PCI-E 3.0 x16) or 7 GPU cards (PCI-E 3.0 x8)	3 PCI-E 3.0 x16 for double-width GPUs (8/16/16)	3 PCI-E 3.0 x16 for double-width GPUs (8/16/16)	3 PCI-E 3.0 x16 for double-width GPUs (8/16/16)
Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz	Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz	512GB unbuffered ECC RDIMM, DDR4-2666MHz	512GB unbuffered ECC RDIMM, DDR4-2666MHz	512GB unbuffered ECC RDIMM, DDR4-2666MHz
10Gb/s AQC107 and Intel® 1Gb/s LAN support	10Gb/s AQC107 and Intel® 1Gb/s LAN support	2 M.2 + 2 U.2 maximum storage expansion	2 M.2 + 2 U.2 maximum storage expansion	2 M.2 + 2 U.2 maximum storage expansion
IPMI with dedicated VGA and LAN ports	IPMI with dedicated VGA and LAN ports	Lightning Fast 5Gb/s LAN	IPMI with dedicated VGA ports	IPMI with dedicated VGA ports



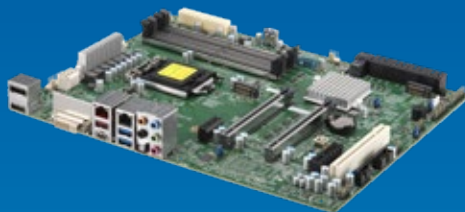


Workstation and Gaming
Solutions



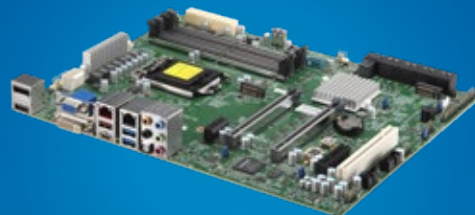
X11SCA

Exceptional ATX for Intel® Xeon® & Core™ CPUs
with Dual LAN



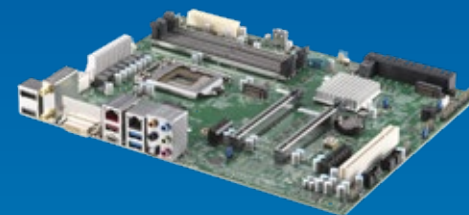
X11SCA-F

Exceptional ATX for Intel® Xeon® & Core™ CPUs
with Dual LAN & IPMI



X11SCA-W

Exceptional ATX for Intel® Xeon® & Core™ CPUs
with Dual LAN & Wi-Fi



X11SAE

Superb ATX for Intel® Xeon® & Core™ Processors
with Dual LAN



X11SAE-F

Superb ATX for Intel® Xeon® & Core™ Processors
with Dual LAN & IPMI



Intel® Xeon® E-2100/E-2200 & 8/9 th Gen Core™ i processor	Intel® Xeon® E-2100/E-2200 & 8/9 th Gen Core™ i processor	Intel® Xeon® E-2100/E-2200 & 8/9 th Gen Core™ i processor	Intel® Xeon® E3-1200 v5/6 & 6/7 th Gen Core™ i processor	Intel® Xeon® E3-1200 v5/6 & 6/7 th Gen Core™ i processor
2 PCI-E 3.0 x16 slots (metal armor, 16/NA or 8/8) + 1 PCI slot	2 PCI-E 3.0 x16 slots (metal armor, 16/NA or 8/8) + 1 PCI slot	2 PCI-E 3.0 x16 slots (metal armor, 16/NA or 8/8) + 1 PCI slot	2 PCI-E 3.0 x16 slots (16/NA or 8/8) + 2 PCI slot	2 PCI-E 3.0 x16 slots (16/NA or 8/8) + 2 PCI slot
Up to 128GB DDR4 ECC/non-ECC memory up to 2666MHz	IPMI with dedicated VGA ports	1 Gb/s LAN Wi-Fi + Bluetooth 5.0	4 DDR4 ECC/non-ECC UDIMMs, up to 64GB, 2400MHz	IPMI with dedicated VGA ports
2 M.2+ 1 U.2 optimized storage performance	2 M.2+ 1 U.2 optimized storage performance	2 M.2+ 1 U.2 optimized storage performance	M.2 optimized storage performance	M.2 optimized storage performance
Dual Intel® 1Gb/s LAN support	Dual Intel® 1Gb/s LAN support	Dual Intel® 1Gb/s LAN support	Dual Intel® 1Gb/s LAN support	Dual Intel® 1Gb/s LAN support



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Workstation and Gaming
Solutions



C9X299-PG300F

Prime OC ATX for Intel® Core™ X Processors
with Dual LAN & IPMI



C9X299-PGF-L

Prime OC ATX for Intel® Core™ X Processors
with Single LAN & IPMI

NEW!



C9X299-RPGF-L

Prime OC ATX for Intel® Core™ X Processors
with Single LAN & IPMI

NEW!



C9Z590-CG

Blasting Gaming ATX for Intel® Core™ Processor
with Dual LAN

NEW!



C9Z590-CGW

Blasting Gaming ATX for Intel® Core™ Processors
with Dual LAN & Wi-Fi

NEW!



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9/10th Gen Intel® Core™ i7 & i9 Extreme X-series processor

3 PCI-E 3.0 x16 for double-width GPUs + 1 single-width
(8/NA/16/16 or 8/8/8/16)

256GB unbuffered non-ECC UDIMM, DDR4-2933MHz

2 M.2 + 2 U.2 maximum storage expansion

10Gb/s LAN



9/10th Gen Intel® Core™ i7 & i9 Extreme X-series processor

4 PCI-E 3.0 x16 for double-width GPUs + 1 single-width
(8/NA/16/16 or 8/8/8/16)

256GB unbuffered non-ECC UDIMM, DDR4-2933MHz

2 M.2 + 2 U.2 maximum storage expansion

1 Gb/s LAN



9/10th Gen Intel® Core™ i7 & i9 Extreme X-series processor

4 PCI-E 3.0 x16 for double-width GPUs
(8/NA/16/16 or 8/8/8/16)

256GB unbuffered non-ECC UDIMM, DDR4-2933MHz

2 M.2 + 2 U.2 maximum storage expansion

1 Gb/s LAN



11th Gen Intel® Core™ i processor

2 PCI-E 4.0 x16 for double-width GPUs (16/NA, 8/8); 2 PCI-E 3.0 x1

Up to 128GB DDR4 non-ECC memory up to 3200 MHz

20Gb/s USB 3.2 Gen 2x2 Type-C

10Gb/s LAN



11th Gen Intel® Core™ i processor

2 PCI-E 4.0 x16 for double-width GPUs (16/NA, 8/8); 2 PCI-E 3.0 x1

Up to 128GB DDR4 non-ECC memory up to 3200 MHz

20Gb/s USB 3.2 Gen 2x2 Type-C

10Gb/s LAN; 3X Wi-Fi 6 wireless LAN



731

Cost-effective mini-tower for business desktop or server



Supports m-ATX motherboards

4 x 3.5" internal; 2 x 5.25" external drive bays

Various I/O and power supply options available

1x rear 9cm (2050 RPM) PWM exhaust fan

Dimensions (HxWxD):
14.25" (362mm) x 7.25" (184mm) x 16.75" (425mm)



732

Classic mid-tower for business desktop or workstation



Supports up to E-ATX motherboards

4 x 3.5" internal; 2 x 5.25" external drive bays;
4x 2.5" drive bays (optional)

Various I/O and power supply options available

1x rear 12cm (1850 RPM) PWM exhaust fan;
front 12cm intake fan (optional)

Dimensions (HxWxD):
16.7" (424mm) x 7.6" (193mm) x 20.68" (525mm)



GS5

Feature-rich mid-tower with optional water cooling kit for gaming or workstation



Removable 3.5" and 2.5" HDD/SSD cages with tool-less trays for up to 10 drives

Cable management holes with rubber grommets for clean builds

3 x 120mm PWM high airflow fans included

Supports closed-loop water cooling units

Dimensions (HxWxD):
18.1" (460mm) x 7.9" (200mm) x 19.4" (493mm)



743

Versatile rackmountable full-tower for high-performance workstation or server



Supports up to E-ATX motherboards

8 x 3.5" external hot-swappable bays;
3 x 5.25" external drive bays

Various I/O, backplane, power supply options available

Supports up to 4 middle and 2 rear fans

Dimensions (HxWxD):
17.8" (452mm) x 7" (178mm) x 25.5" (647mm)



745

Versatile rackmountable full-tower with redundant power supplies for high-performance workstation or server



Supports up to E-ATX motherboards

8 x 3.5" external hot-swappable bays;
3 x 5.25" external drive bays

Various I/O, backplane, power supply options available

Supports up to 4 middle and 2 rear fans

Dimensions (HxWxD):
17.8" (452mm) x 7" (178mm) x 25.5" (647mm)



747

Highly expandable rackmountable full-tower with redundant power supplies for GPU workstation or server



Supports up to 15.2" x 13.2" motherboards

8 x 3.5" external hot-swappable bays;
3 x 5.25" external drive bays

Various I/O, backplane, power supply options available

Supports up to 4 middle and 2 rear fans

Dimensions (HxWxD):
18.2" (462mm) x 7" (178mm) x 26.5" (673mm)





Supermicro®, the leading innovator in high-performance, high-efficiency server technology is a premier provider of advanced server Building Block Solutions™ for Datacenter, Cloud Computing, Enterprise IT, Hadoop/Big Data, HPC and Embedded Systems worldwide. Supermicro is committed to protecting the environment through its "We Keep IT Green™" initiative and provides customers with the most energy-efficient, environmentally-friendly solutions available on the market.

Learn more at www.supermicro.com

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