Supermicro A+ Family
Outstanding Performance
Drives Business Agility
Supermicro’s latest portfolio of A+ server and storage systems supporting the 2nd Generation AMD EPYC™ processors offers new levels of optimized performance per watt per dollar and deliver higher core density, more memory bandwidth, and unparalleled I/O performance and capacity.

Supporting up to 64 AMD “Zen” 2 cores and 128 threads per socket, Supermicro A+ solutions are coupled with high-throughput, low-latency, hot-swappable U.2 NVMe SSDs, up to 4TB of DDR4-3200MHz memory (8 memory channels per socket), and up to 128 PCI-E lanes on a dual- or single-socket system.

Supermicro’s new generation A+ solutions supporting AMD EPYC™ family of processors enable a new range of powerful and energy-efficient server options to radically lower data center TCO through an optimized balance of compute, memory, I/O, and storage resources.

For more information, please visit www.supermicro.com/epyc.
### New H12 Generation WIO SuperServer®

**COST AND ENERGY EFFICIENCY FOR DATA CENTER ENVIRONMENTS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>1U WIO 3.5&quot; Drive Bays</th>
<th>1U WIO 2.5&quot; Drive Bays</th>
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</thead>
<tbody>
<tr>
<td>Single AMD EPYC™ 7002 Series processors, up to 225W TDP</td>
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</tr>
<tr>
<td>8 DDR4-3200MHz DIMM slots</td>
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<tr>
<td>3 PCI-E 4.0x16 slots (2 FHFL and 1 LP slots)</td>
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<tr>
<td>3.5&quot; SATA3 storage (up to 4 optional U.2 NVMe)</td>
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<tr>
<td>2.5&quot; SATA3 storage (up to 2 optional U.2 NVMe)</td>
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<tr>
<td>Dual 10G Ethernet onboard networking</td>
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### New H12 Generation Twin Family

**INNOVATIVE MULTI-NODE ARCHITECTURES WITH REDUCED TCO AND TCE**

<table>
<thead>
<tr>
<th>Feature</th>
<th>2U TwinPro 4-Node 3.5&quot; Drive Bays</th>
<th>2U BigTwin 4-Node 2.5&quot; Drive Bays</th>
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<tr>
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<tr>
<td>3x 3.5&quot; SATA3 storage per node</td>
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<td>Onboard flexible SIOM networking up to 100G</td>
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<th>2U BigTwin 4-Node 2.5&quot; Drive Bays</th>
</tr>
</thead>
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<tr>
<td>Dual AMD EPYC™ 7002 Series per node, up to 225W TDP*</td>
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<td></td>
</tr>
<tr>
<td>16 DDR4-3200MHz DIMM slots per node</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 PCI-E 4.0x16 slots (2 LP slots) per node</td>
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<td></td>
</tr>
<tr>
<td>6x 2.5&quot; SATA3 storage per node</td>
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</tr>
<tr>
<td>Onboard flexible SIOM networking up to 100G</td>
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</tbody>
</table>
Supermicro® WIO SuperServer® systems offer a wide range of I/O options to deliver truly optimized systems for specific requirements. Users can optimize the storage and networking alternatives to accelerate performance, increase efficiency and find the perfect fit for their applications. In addition to enabling customizable configurations and optimization for multiple application requirements, Supermicro WIO SuperServers also provide attractive cost advantages and investment protection.

Supermicro WIO SuperServer® models include:

- **1U 1-Socket Drive Bays**
  - Single-socket cost-effective systems in 1U
  - 10x 2.5" or 4x 3.5" hot-swappable drive bays

- **1U 4x 3.5" Drive Bays**
  - Hybrid backplane supporting NVMe and SATA3 drives; 2 PCI-E 4.0 x8 and 2 x4 slots

- **1U 10x 2.5" Drive Bays**
  - Up to 10x 2.5" drive bays in 1U

- **Power Supply**
  - Up to redundant 500W high-efficiency Platinum Level power supplies

Supermicro WIO SuperServer® systems are designed for cost and energy efficiency in data center environments, offering a wide range of storage and networking options to deliver truly optimized systems for specific requirements. Users can customize their configurations to meet their specific needs and find the perfect fit for their applications.
H12 Generation TwinPro™
INNOVATIVE MULTI-NODE ARCHITECTURE WITH REDUCED TCO AND TCE

TwinPro systems are designed for simplified deployment and maintenance, and assembled with the highest quality to ensure continuous operation even at maximum capacity. Customers in high-end enterprise, data center, HPC and Cloud Computing environments receive the greatest competitive advantage from data center resources with the Supermicro TwinPro.

**Node View**
- Single EPYC® processors supported
- 8 DIMMs for up to 2 TB of memory
- 2 PCI-E 4.0 x16 LP Slots
- Single Socket SP3
- SIOM Slot
- 8 DIMM Slots DDR4
- 4 M.2 NVMe/SATA Slots
- Up to Redundant 2000W Platinum Level Power Supplies
- 8 USB 3.0 Ports
- Dedicated IPMI/KVM LAN Port
- VGA Port

**System Rear View**
- 2U systems supporting four nodes with 8 DIMM slots
- Hot-swappable 3.5” SAS3/SATA3 storage options
- Flexible networking options up to 100G Ethernet and InfiniBand

**Four Nodes**
- Four sets of 3x 3.5” drives
- Up to AMD EPYC™ 7002 series processors; up to 225W
- Super I/O Module (SIOM) networking* with dedicated IPMI LAN port per node; Up to 2 x PCI-E 4.0 x16 LP slots
- Up to 2TB ECC memory with 256GB DDR4 per node; up to DDR4-3200MHz
- Up to redundant 2000W high-efficiency digital power supplies

**SATA3**
- 8 DIMM Slots per node

**Flexible Networking**
- Super I/O Module (SIOM) networking* with dedicated IPMI LAN port per node; Up to 2 x PCI-E 4.0 x16 LP slots

**Platinum Level**
- 2U 4-Node 3.5” Front View

*For more details, please refer to page 23
The new H12 generation 2U BigTwin design supports the latest AMD EPYC™ 7002 series processors with up to 16 DIMMs of DDR4-3200MHz memory, two PCI-E 4.0 x16 LP expansion slots, flexible onboard networking via SIOM, and up to six 2.5” drive bays per node, with additional options for SAS3 storage.

- **Node View**
  - Dual EPYC™ processors supported
  - 16 DIMMs for up to 4TB of memory

- **System Rear View**
  - Up to redundant 2600W Titanium Level Power Supplies
  - 2 USB 3.0 Ports
  - VGA Port
  - Dedicated IPMI/KVM LAN Port
  - 2 PCI-E 4.0 x16 LP slots

- **2U systems supporting four nodes with 16 DIMM slots**
- **Flexible storage options including all NVMe and hybrid NVMe/SAS3/SATA3**
- **SIOM networking options including 10GbE, 25GbE, 100GbE and IB**

**H12 Generation BigTwin™**

**NO-COMPROMISE 2U 4-NODE TWIN ARCHITECTURE**

**2U FORM-FACTOR**

**STORAGE**

**MEMORY**

**POWER SUPPLY**

**I/O**

**CPU**

**SUPER I/O MODULE (SIOM) NETWORKING**

**All-Flash NVMe**

**Hybrid NVMe/SATA3**

**SATA3 Model**

**Four Nodes**

- Each node supports 4x 2.5" drives

**NVMe/SAS3/SATA3**

All NVMe or SAS or hybrid NVMe/SAS, 1 NVMe/SATA M.2 slot per node

**Up to 2600W high-efficiency digital power supplies**

**Up to 16 DIMM Slots**

Up to 4TB ECC memory with 256GB DIMMs per node, up to DDR4-3200MHz

**Up to Titanium Level**

- Super I/O Module (SIOM) networking with dedicated IPMI LAN port per node
- Additional 2 PCI-E 4.0 x16 LP slots

**2-Socket**

Up to AMD EPYC™ 7002 series processors, up to 225W**

**Four Nodes NVMe/SAS3/SATA3**

2-Socket Flexible Networking

**10GbE, 25GbE, 100GbE and IB**

**STORAGE**

**MEMORY**

**POWER SUPPLY**

**I/O**

**CPU**

**SUPER I/O MODULE (SIOM) NETWORKING**

**All-Flash NVMe**

**Hybrid NVMe/SATA3**

**SATA3 Model**

**Four Nodes**

- Each node supports 4x 2.5" drives

**NVMe/SAS3/SATA3**

All NVMe or SAS or hybrid NVMe/SAS, 1 NVMe/SATA M.2 slot per node

**Up to 2600W high-efficiency digital power supplies**

**Up to 16 DIMM Slots**

Up to 4TB ECC memory with 256GB DIMMs per node, up to DDR4-3200MHz

**Up to Titanium Level**

- Super I/O Module (SIOM) networking with dedicated IPMI LAN port per node
- Additional 2 PCI-E 4.0 x16 LP slots

**2-Socket**

Up to AMD EPYC™ 7002 series processors, up to 225W**

**Four Nodes NVMe/SAS3/SATA3**

2-Socket Flexible Networking

**10GbE, 25GbE, 100GbE and IB**

**STORAGE**

**MEMORY**

**POWER SUPPLY**

**I/O**

**CPU**

**SUPER I/O MODULE (SIOM) NETWORKING**

**All-Flash NVMe**

**Hybrid NVMe/SATA3**

**SATA3 Model**

**Four Nodes**

- Each node supports 4x 2.5" drives

**NVMe/SAS3/SATA3**

All NVMe or SAS or hybrid NVMe/SAS, 1 NVMe/SATA M.2 slot per node

**Up to 2600W high-efficiency digital power supplies**

**Up to 16 DIMM Slots**

Up to 4TB ECC memory with 256GB DIMMs per node, up to DDR4-3200MHz

**Definition:**

- **DIMM:** Dual In-line Memory Module
- **SIOM:** Super I/O Module
- **EPYC™:** AMD’s high-performance processor line for servers
- **NVMe:** Non-Volatile Memory Express, a storage interface standard
- **SAS:** Serial Attached SCSI, a high-speed data transfer protocol
- **SATA:** Serial ATA, a data transfer protocol
- **DDR4:** Double Data Rate 4, a type of memory
- **10GbE:** 10 Gigabit Ethernet, a network technology
- **25GbE:** 25 Gigabit Ethernet, a network technology
- **100GbE:** 100 Gigabit Ethernet, a network technology
- **IB:** InfiniBand, a high-speed network technology
- **TDP:** Thermal Design Power, a measure of the power a system can safely dissipate
## H11 Ultra
**INDUSTRY LEADING IOPS, ENERGY EFFICIENCY AND FLEXIBILITY**

- Dual AMD EPYC™ 7002 Series, up to 225W TDP
- 32 DDR4-3200MHz DIMM slots
- Up to 7 PCI-E 3.0 slots
- 2.5” or 3.5” SATA3, SAS3, Hybrid and All-NVMe storage
- Flexible onboard networking up to 2x 25G Ethernet

## H11 BigTwin™
**NO-COMPROMISE 2U 4-NODE TWIN ARCHITECTURE**

- Dual AMD EPYC™ 7002 Series per node, up to 225W TDP
- 16 DDR4-3200MHz DIMM slots per node
- 2 PCI-E 3.0 x16 slots (2 LP slots)
- 2.5” All-NVMe/Hybrid SAS3 storage
- Onboard flexible SiOM networking up to 100G Ethernet

## H11 WIO
**EFFICIENCY AND STORAGE OPTIMIZED ARCHITECTURE**

- Single AMD EPYC™ 7002 Series, up to 225W TDP
- 16 DDR4-3200MHz DIMM slots
- Up to 5 PCI-E 3.0 slots (3 FHFL and 2 LP slots)
- U.2 NVMe or 2.5” SATA3 storage
- Onboard networking dual 10G Ethernet

## H11 Mainstream
**EFFICIENT, COST-EFFECTIVE DESIGNS FOR THE MAINSTREAM**

- Single or dual AMD EPYC™ 7002 Series, up to 225W TDP
- Up to 16 DDR4-3200MHz DIMM slots
- Up to 6 PCI-E 3.0 slots
- 3.5” SATA3 and optional SAS3 storage
- Onboard networking up to dual 10G Ethernet
Supermicro Ultra SuperServers are designed to deliver the highest performance, flexibility, scalability and serviceability to demanding IT environments, and to power mission-critical Enterprise workloads.

**H11 Generation Ultra**

**INDUSTRY LEADING IOPS, ENERGY EFFICIENCY AND FLEXIBILITY**

1U/2U systems supporting dual processors with 32 DIMM slots

Versatile storage options with U.2 NVMe, SAS3 and SATA3

Flexible networking for up to 25G Ethernet and PCIe expansion options

- **Form-Factor**
  - 1U/2U

- **Storage**
  - Versatile storage options with U.2 NVMe, SAS3 and SATA3

- **I/O**
  - Flexible networking for up to 25G Ethernet and PCI-E expansion options

- **CPU**
  - Up to AMD EPYC™ 7002 series processors; up to 225W

- **Power Supply**
  - Up to redundant 1600W high-efficiency digital power supplies

- **Memory**
  - Up to 8TB ECC memory with 256GB DIMMs, up to DDR4-3200MHz

- **DIMMs**
  - 32 DIMM slots

- **Drive Bays**
  - Up to 10x 2.5" or 4x 3.5" drive bays in 1U;
  - Up to 24x 2.5" or 12x 3.5" drive bays in 2U

- **PCI-E/SATA M.2 support**
  - On some models

- **Networking**
  - Up to 10G/40G/100G Ethernet
  - Ultra Riser adapters* with dedicated IPMI LAN port
  - Flexible networking via Ultra Riser adapters* with dedicated IPMI LAN port

- **Expansion Options**
  - Rich PCI-E expansion options including GPU support

- **Rackmount**
  - Up to 1U or 2U U.2 NVMe, SAS3 and SATA3

*For more details, please refer to page 22.

**1U Ultra 10 NVMe**

- Dual Socket SP3
- 32 DIMM slots
- 10 Hot-Swap 2.5" NVMe Drive Bays
- 1 PCI-E 3.0 x16 Slot
- 1 PCI-E 3.0 x8 (LP) Slot
- Versatile Ultra Riser

**2U Ultra 12x 3.5" Drive Bays**

- 32 DIMM Slots DDR4
- 32 DIMM Slots Up to Titanium Level
- 1 PCI-E/SATA M.2 support on some models
- Rackmount NVMe/SAS3/SATA3
- 2-Socket Flexible Networking
- Ultra 4x 3.5" Drive Bays
- Ultra 24x 3.5" NVMe Drive Bays
- Dual EPYC® processors supported
- 32 DIMMs for up to 8 TB of memory
- 10 Hot-Swap 2.5" NVMe Drive Bays
- 1 PCI-E 3.0 x16 Slot
- 1 PCI-E 3.0 x8 (LP) Slot
- Versatile Ultra Riser

**1U Ultra 4x 3.5" Drive Bays**

- Up to TI 2.5" or 4x 3.5" drive bays in 1U
- Up to 24x 2.5" or 12x 3.5" drive bays in 2U

**32 DIMM Slots**

- Up to 10G/40G/100G Ethernet
- Ultra Riser adapters* with dedicated IPMI LAN port
- Flexible networking via Ultra Riser adapters* with dedicated IPMI LAN port

- **Power Supply**
  - Up to Titanium Level
  - Up to 1600W high-efficiency digital power supplies
BigTwin is the 5th generation in the Supermicro Twin Family with a multitude of innovations and engineering breakthroughs. Historically multi-node systems traded off features and capacity for higher density. They were deployed for workloads that did not require the highest performance or the highest memory density on a single node.

**NO-COMPROMISE 2U 4-NODE TWIN ARCHITECTURE**

- **Dual EPYC® processors supported**
- **16 DIMMs for up to 4 TB of memory**
- **Up to Redundant 2600W Titanium Level Power Supplies**
- **2 USB 3.0 Ports**
- **VGA Port**
- **Dedicated IPMI/KVM LAN Port**
- **2 PCI-E 3.0 x16 LP slots**
- **Dual EPS 3.0 x16 slots**
- **16 DIMM Slots DDR4**

2U systems supporting four independent nodes with 16 DIMM slots
Flexible storage options including all NVMe and hybrid NVMe/SAS3/SATA3
SIOM networking options including 10GbE, 25GbE, 100GbE and IB

**CPU**
- Up to AMD EPYC™ 7002 series processors per node; up to 225W**

**NvMe/SAS3/SATA3 All-NVMe or SAS3 or hybrid NVMe/SAS3, 1 NVMe/SATA3 M.2 slot per node**

**Flexible Networking**
Super I/O Module (SIOM) networking* with dedicated IPMI LAN port per node; Additional 2 PCIe 3.0 x16 LP slots

**STORAGE**
- Four sets of 6x 2.5" drives All NVMe or SATA3 or hybrid NVMe/SAS3;
- 1 NVMe/SATA3 M.2 slot per node

**MEMORY**
- Up to 4TB ECC memory with 256GB DDR4 per node, up to DDR4-3200MHz

**POWER SUPPLY**
- Up to redundant 2600W high-efficiency digital power supplies

**I/O**
- Four Nodes
- Rear sets of 6x 2.5" drives
- Up to 16 DIMM Slots

**Form-Factor**
- 2U

**Available Models**
- All-Flash NVMe
- Hybrid NVMe/SAS3/SATA3
- SATA3 Model

*For more details, please refer to page 23
**Max TDP support may vary per system configurations, please check with your Supermicro sales representative.
Supermicro® WIO SuperServer® systems offer a wide range of I/O options to deliver truly optimized systems for specific requirements. Users can optimize the storage and networking alternatives to accelerate performance, increase efficiency and find the perfect fit for their applications. In addition to enabling customizable configurations and optimization for multiple application requirements.

**H11 Generation WIO SuperServer®**

**EFFICIENCY AND STORAGE OPTIMIZED ARCHITECTURE**

- **Optimized and Efficient Cooling Fans**
- **24 Hot-Swap U.2 NVMe Drive Bays**
- **Redundant 1200W/Titanium-Level Power Supplies**
- **2 Onboard M.2 Slots**
- **Single Socket SP3 DIMM Slots DDR4**
- **Single-socket cost-effective systems in 1U/2U**
- Up to 10 U.2 NVMe in 1U or 24 U.2 NVMe storage devices in 2U
- Onboard dual 10 Gigabit Ethernet networking
- Up to 10x 2.5" drive bays in 1U; Up to 24x 2.5" drive bays in 2U
- Hybrid backplane supporting NVMe and SATA3 drives; Dual 10GbE RJ45 ports with dedicated IPMI LAN port; Up to 3 PCI-E 4x slots in 1U and 5 slots in 2U
- Up to 4TB ECC memory with 256GB DIMMs, up to DDR4-3200MHz
- Up to redundant 1200W high-efficiency digital power supplies

**1U 10s 2.5" Hot-swap Drive Bays**
- **1U 10s 2.5" Hot-swap Drive Bays**
- **1U 24x 2.5" Hot-swap Drive Bays**
- **1U 16x 2.5" Hot-swap Drive Bays**

**2U 1-Socket All U.2 NVMe**
- **2U 1-Socket All U.2 NVMe**
- **2U 24x 2.5" Hot-swap Drive Bays**
- **2U 24x 2.5" Hot-swap Drive Bays**
- **2U 16x 2.5" Hot-swap Drive Bays**

**16 DIMM Slots Up to Titanium Level**
- **16 DIMM Slots**

**I/O**
- **CPU**
- **LVD**

**POWER SUPPLY**
- **All-NVMe/SATA3**
  - Hybird backplane supporting NVMe and SATA3 drives
  - Dual 10GbE RJ45 ports with dedicated IPMI LAN port
- **1-Socket**
  - Up to AMD EPYC™ 7002 series processor, up to 225W
- **Onboard Networking**
  - Dual 10GbE RJ45 ports with dedicated IPMI LAN port
  - Up to 3 PCI-E 4x slots in 1U and 5 slots in 2U
- **Up to Titanium Level**
  - Up to 4TB non-ECC memory with 256GB DIMMs, up to DDR4-3200MHz

**STORAGE**
- **1U/2U**
- **1U 10x 2.5" drive bays in 1U, Up to 24x 2.5" drive bays in 2U**
- **Onboard dual 10 Gigabit Ethernet networking**
- **1U 24x 2.5" Hot-swap Drive Bays**
- **2U 24x 2.5" Hot-swap Drive Bays**
- **1U 16x 2.5" Hot-swap Drive Bays**
- **2U 16x 2.5" Hot-swap Drive Bays**

Supermicro® WIO SuperServer® systems offer a wide range of I/O options to deliver truly optimized systems for specific requirements. Users can optimize the storage and networking alternatives to accelerate performance, increase efficiency and find the perfect fit for their applications. In addition to enabling customizable configurations and optimization for multiple application requirements.
H11 Generation Mainstream SuperServer®

EFFICIENT, COST-EFFECTIVE DESIGNS FOR THE MAINSTREAM APPLICATIONS

- Dual EPYC® processors supported
- 16 DIMMs for up to 2 TB of memory (for tower system shown on the right only)
- 16 DIMM Slots DDR4
- Dual Socket SP3
- 2 PCI-E 3.0 x16 Slots
- 3 PCI-E 3.0 x8 Slots
- 1 Onboard M.2 Slot
- 1 Onboard 10GbE NIC
- 3 PCI-E 3.0 x8 Slots
- 1 Onboard M.2 Slot
- 2 PCI-E 3.0 x16 Slots
- 3 PCI-E 3.0 x8 Slots
- 1 Onboard M.2 Slot
- Tower 2-Socket 3.5" Hot-swap Drive Bays
- 8 Hot-Swap 3.5" Drive Bays
- Hot-Swap Cooling Fans

1U, 2U and tower systems supporting single or dual processors
1 socket and 2-socket models for optimal efficiency and performance
Hot-swappable 3.5" SATA3 with SAS3 options
**H12 Generation WIO Serverboard**

**PCI-E 4.0 READY OPTIMIZED FOR THE WIO PLATFORM**

- Single-socket WIO Form-Factor
  - Up to 2nd Gen AMD EPYC processors, up to 225W TDP
  - 8 DIMM slots, up to DDR4-3200MHz
  - 3 PCI-E 4.0 x16 and 2 M.2 slots
  - Up to 16 SATA and 6 NVMe interfaces
  - Dual 1GbE or 10GbE ports with dedicated IPMI LAN port

**H11 Generation WIO Serverboard**

**OPTIMIZED FOR STORAGE APPLICATIONS ON THE WIO PLATFORM**

- Single-socket WIO Form-Factor
  - Up to 2nd Gen AMD EPYC processors, up to 225W TDP
  - 16 DIMM slots, up to DDR4-3200MHz (1 DIMM per channel)
  - 3 PCI-E 3.0 x16 and 2 M.2 slots
  - Up to 16 SATA and 16 NVMe interfaces
  - Dual 1GbE or 10GbE ports with dedicated IPMI LAN port
H11 Generation E-ATX Serverboard
DUAL-SOCKET PLATFORM FOR MAINSTREAM APPLICATIONS

- Dual-socket E-ATX Form-Factor
  - Up to 2nd Gen AMD EPYC processors, up to 225W TDP
  - 16 DIMM slots, up to DDR4-3200MHz
  - 2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8 and 1 M.2 slots
  - Up to 10 SATA and 2 NVMe interfaces
  - Dual 1GbE or 10GbE ports with dedicated IPMI LAN port

H11DSi

H11 SSL

H11 Generation ATX Serverboard
SINGLE-SOCKET PLATFORM FOR MAINSTREAM APPLICATIONS

- Single-socket ATX Form-Factor
  - Up to 2nd Gen AMD EPYC processors, up to 225W TDP
  - 8 DIMM slots, up to DDR4-3200MHz
  - 3 PCI-E 3.0 x16, 3 PCI-E 3.0 x8 and 1 M.2 slots
  - Up to 16 SATA, 8 SAS and 2 NVMe interfaces
  - Dual 1GbE or 10GbE ports

H11SSL
Storage Options

Supermicro® Super I/O Module (SIOM) delivers up to 50% of I/O cost savings and freedom to select networking options from 1Gb/s to 100Gb/s through a Supermicro optimized form factor that is easy to scale, service and manage across a broad range of Supermicro server and storage systems. The SIOM also enables a higher degree of system integration and increased capacity by saving PCI-E slots that are traditionally reserved for add on cards.

For more product information and technical specifications, please visit supermicro.com

SAS3 ADD-ON CARD OPTIONS

Supermicro SAS add-on cards feature up to 16 internal SAS ports for high-performance storage applications. It addresses the growing demand for increased data throughput and scalability requirement across the enterprise-class server platforms and delivers cost-effective networking solutions using SATA3 drives and maximum performance and reliability with SAS3 drives. Mini SAS cables may be required to purchase separately. For more product information and technical specifications, please visit supermicro.com or scan the QR code on the right to retrieve the complete list of options and verify your system compatibility.

SAS3 ADD-ON CARD OPTIONS

**Supermicro SIOM**

**Storage Options**

**SAS3 ADD-ON CARD OPTIONS**

**SAS3 Host Bus Adapters in IT Mode**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOC-S3616L-L16T</td>
<td>16 ports, 12Gb/s per port, 16 Internal, Low Profile, 1024 SATA/SAS Drives</td>
</tr>
<tr>
<td>AOC-S3216L-L16T</td>
<td>16 ports, 12Gb/s per port, 16 Internal, Low Profile, 1024 SATA/SAS Drives</td>
</tr>
<tr>
<td>AOC-S3008L-L8i</td>
<td>8 ports, 12Gb/s per port, 8 Internal, Low Profile, 128 SATA/SAS Drives</td>
</tr>
<tr>
<td>AOC-S3108BL-H1BDR-16DD</td>
<td>8 ports, 12Gb/s per port, 8 Internal, Low Profile, 128 SATA/SAS Drives</td>
</tr>
<tr>
<td>AOC-S3108BL-H1BDR</td>
<td>8 ports, 12Gb/s per port, 8 Internal, Low Profile, 128 SATA/SAS Drives</td>
</tr>
<tr>
<td>AOC-S3008L-L8i</td>
<td>8 ports, 12Gb/s per port, 8 Internal, Low Profile, 128 SATA/SAS Drives</td>
</tr>
<tr>
<td>Broadcom® SAS 3616</td>
<td>Broadcom® SAS 3216</td>
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<tr>
<td>Broadcom® SAS 3216</td>
<td>Broadcom® SAS 3008</td>
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**SAS3 RAID Adapters**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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