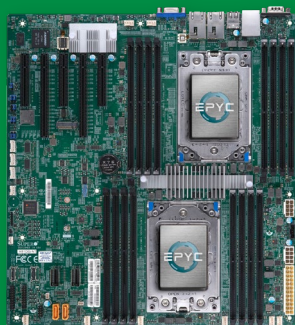




# New Generation **A+ Solutions**

Ultra  
BigTwin™  
WIO Servers  
SuperServer®  
Building Blocks Solutions®



AMD  
**EPYC**

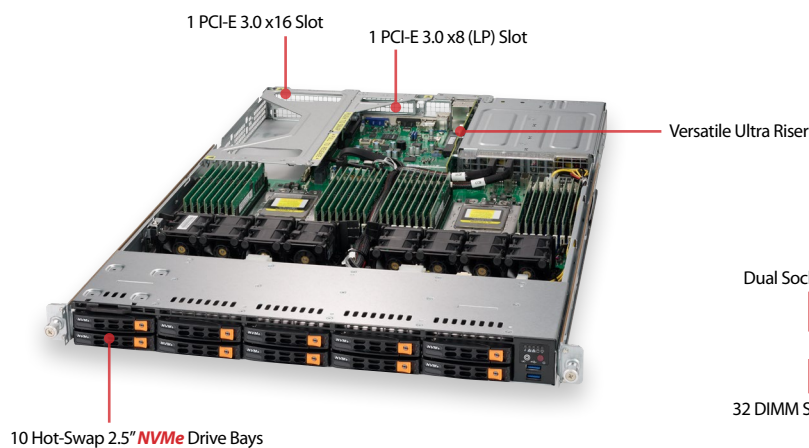
[www.supermicro.com/epyc](http://www.supermicro.com/epyc)

June 2018

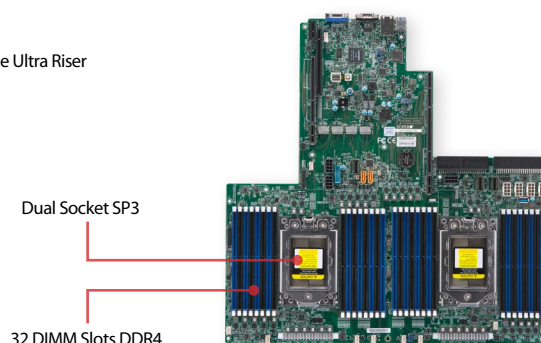
# Ultra

*Industry Leading IOPs, Energy Efficiency And Flexibility*

- Dual EPYC™ 7000 Series • Up to 4TB DDR4 memory in 32 DIMM slots • **NVMe**/SAS3 options
- 25Gb/10Gb/1Gb Ethernet options • Redundant Titanium Level power supplies



**AS-1123US-TN10RT**



**H11DSU-iN**

Dual EPYC™ processors supported  
32 DIMMs for up to 4 TB of memory



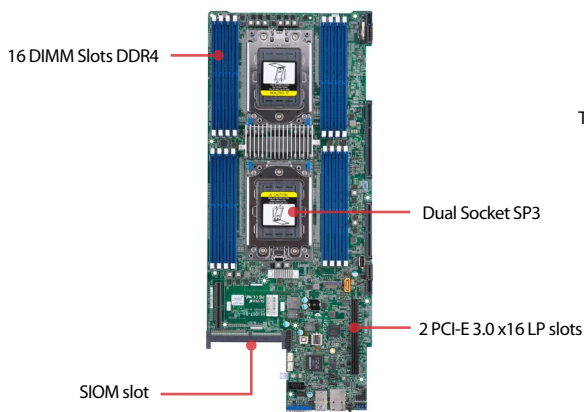
| Model           | AS-1123US-TR4/TN10RT                                                                                                                                                                                                                                            | AS-1023US-TR4                                                                                                     | AS-2123US-TN24R25M                     | AS-2023US-TR4                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor     | 1U rackmount                                                                                                                                                                                                                                                    | 1U rackmount                                                                                                      | 2U rackmount                           | 2U rackmount                                                                                                                                                      |
| Storage         | <ul style="list-style-type: none"> <li>• <b>-TR4:</b> 10x 2.5" hot-swap SATA3 or 8 SATA3 + 2 <b>NVMe</b> drive bays (optional)</li> <li>• <b>-TN10RT:</b> 10 hot-swap U.2 <b>NVMe</b> drive bays (as shown in picture above); 1 M.2 <b>NVMe</b> slot</li> </ul> | 4x 3.5" hot-swap SATA3 drive bays (optional 4 <b>NVMe</b> supported)                                              | 24 hot-swap U.2 <b>NVMe</b> drive bays | <ul style="list-style-type: none"> <li>• 12x 3.5" hot-swap drive bays</li> <li>• Optional 4 <b>NVMe</b>/SATA3 hybrid ports (as shown in picture above)</li> </ul> |
| Expansion Slots | <ul style="list-style-type: none"> <li>• <b>-TR4:</b> 2 PCI-E x16 (FHHL 9.5") slots</li> <li>• 1 PCI-E x8 (LP) slot</li> <li>• <b>-TN10RT:</b> 1 PCI-E x16 (FHHL 9.5") slots</li> <li>• 1 PCI-E x8 (LP) slot</li> </ul>                                         | <ul style="list-style-type: none"> <li>• 2 PCI-E x16 (FHHL 9.5") slots</li> <li>• 1 PCI-E x8 (LP) slot</li> </ul> | N/A                                    | <ul style="list-style-type: none"> <li>• 2 PCI-E x16 (FHFL) slots</li> <li>• 4 PCI-E x8 (FHHL) slots</li> <li>• 1 PCI-E x8 (LP) slot</li> </ul>                   |
| Connectivity    | <ul style="list-style-type: none"> <li>• <b>-TR4:</b> Quad GbE RJ45 ports</li> <li>• <b>-TN10RT:</b> Dual 10GbE RJ45 ports</li> </ul>                                                                                                                           | Quad GbE RJ45 ports                                                                                               | Dual 25GbE SFP28 ports                 | Quad GbE RJ45 ports                                                                                                                                               |
| Power Supply*   | Redundant 1000W Titanium Level                                                                                                                                                                                                                                  | Redundant 1000W Titanium Level                                                                                    | Redundant 1600W Titanium Level         | Redundant 1600W Titanium Level                                                                                                                                    |

\* Full redundancy based on the configuration and application load

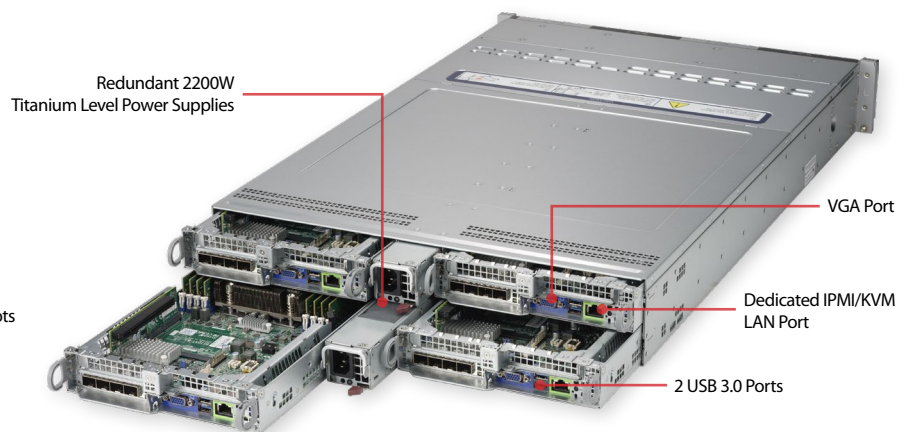
# BigTwin™

## No-Compromise 2U 4-Node Twin Architecture

Each node supports • Dual EPYC™ 7000 Series • Up to 2TB DDR4 memory in 16 DIMM slots • 2 PCI-E 3.0 x16 LP slots  
• SIOM networking • **NVMe**/SAS3/SATA3 options • Redundant Titanium Level power supplies



**H11DST-B**  
Dual EPYC® processors supported  
16 DIMMs for up to 2 TB of memory



**Rear Chassis View**

**All-Flash **NVMe****



**Hybrid **NVMe**/SAS3/SATA3**



**SATA3 Model**



| Model           | AS-2123BT-HNR                                                                                                                                  | AS-2123BT-HNC0R                                                                                                                                                              | AS-2123BT-HTR                                                                                                                             |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor     | 2U rackmount                                                                                                                                   | 2U rackmount                                                                                                                                                                 | 2U rackmount                                                                                                                              |
| Storage         | <ul style="list-style-type: none"> <li>6 hot-swap U.2 <b>NVMe</b> drives per node</li> <li>1 SATA DOM, 1 M.2 <b>NVMe</b>/SATA3 slot</li> </ul> | <ul style="list-style-type: none"> <li>6 hot-swap 2.5" SAS3/SATA3 drives (4 of 6 supports <b>NVMe</b>) per node</li> <li>1 SATA DOM, 1 M.2 <b>NVMe</b>/SATA3 slot</li> </ul> | <ul style="list-style-type: none"> <li>6 hot-swap 2.5" SATA3 drives per node</li> <li>1 SATA DOM, 1 M.2 <b>NVMe</b>/SATA3 slot</li> </ul> |
| Expansion Slots | 2 PCI-E 3.0 x16 (LP) slots                                                                                                                     | 2 PCI-E 3.0 x16 (LP) slots                                                                                                                                                   | 2 PCI-E 3.0 x16 (LP) slots                                                                                                                |
| Connectivity *  | Flexible SIOM Networking per node                                                                                                              | Flexible SIOM Networking per node                                                                                                                                            | Flexible SIOM Networking per node                                                                                                         |
| Power Supply ** | Redundant 2600W Titanium Level high-efficiency power supplies                                                                                  | Redundant 2200W Titanium Level high-efficiency power supplies                                                                                                                | Redundant 2200W Titanium Level high-efficiency power supplies                                                                             |

\* Variety design by SIOM included 1G/10G/ 25G/100G; please check Supermicro.com for more detail information.

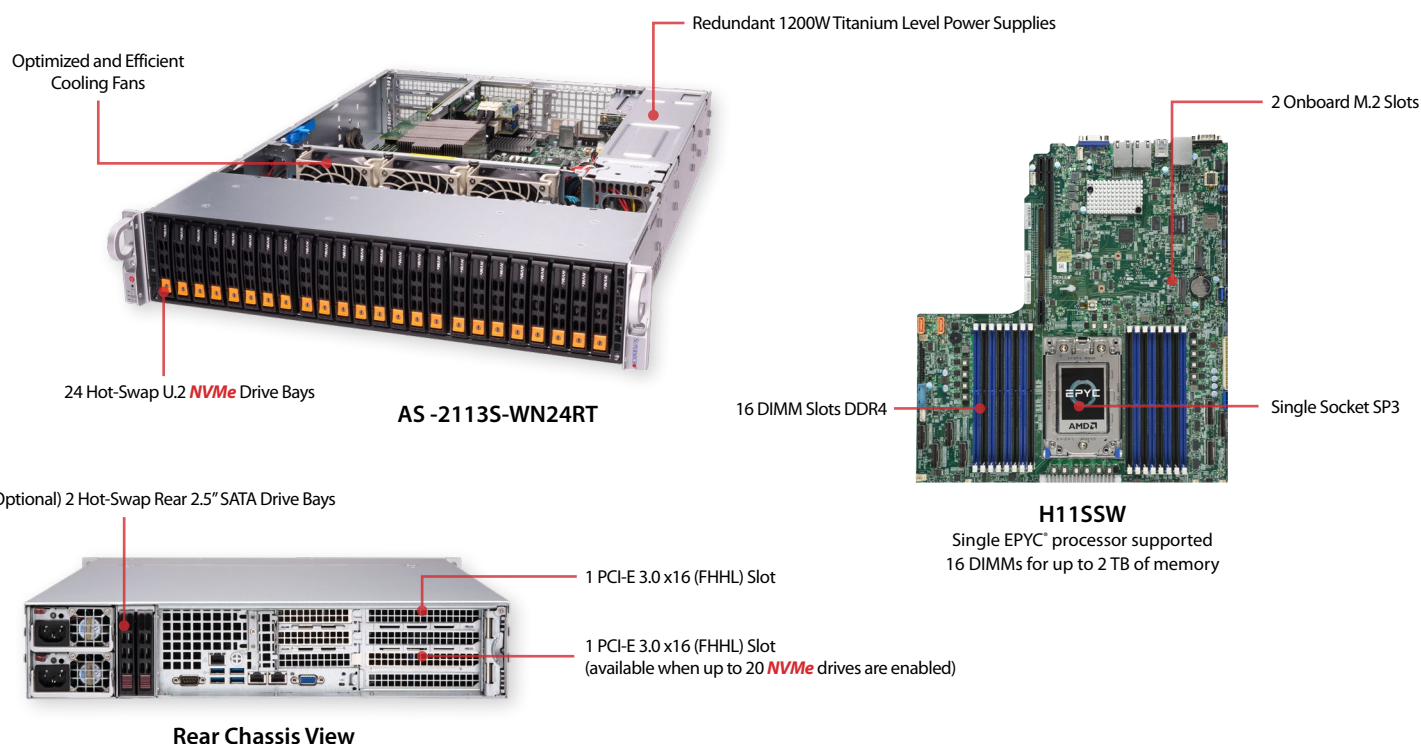
\*\* Full redundancy based on the configuration and application load



# WIO Servers

*Cost and Energy Efficiency For Data Center Environments*

- Single EPYC™ 7000 Series
- Up to 2TB DDR4 memory in 16 DIMM slots
- Dual 10GbE RJ45

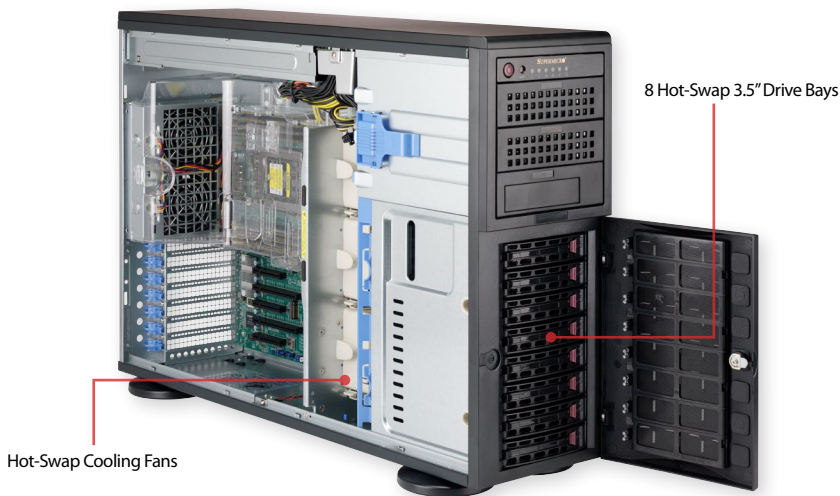


| Model           | AS -1113S-WN10RT                                                                                                                          | AS -2113S-WN24RT                                                                                                                          | AS -2113S-WTRT                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor     | 1U rackmount                                                                                                                              | 2U rackmount                                                                                                                              | 2U rackmount                                                                                                                                                                   |
| Storage         | <ul style="list-style-type: none"> <li>• 10 hot-swap U.2 <b>NVMe</b> drive bays</li> <li>• 2 M.2 <b>NVMe</b> slots, 2 SATA DOM</li> </ul> | <ul style="list-style-type: none"> <li>• 24 hot-swap U.2 <b>NVMe</b> drive bays</li> <li>• 2 M.2 <b>NVMe</b> slots, 2 SATA DOM</li> </ul> | <ul style="list-style-type: none"> <li>• 16 hot-swap 2.5" SATA3 drives (optional 8 U.2 <b>NVMe</b> drives supported)</li> <li>• 2 M.2 <b>NVMe</b> slots, 2 SATA DOM</li> </ul> |
| Expansion Slots | <ul style="list-style-type: none"> <li>• 2 PCI-E 3.0 x16 (FHHL) slots</li> <li>• 1 PCI-E 3.0 x16 (LP) slot</li> </ul>                     | 1 PCI-E 3.0 x16 (FHHL) slots                                                                                                              | <ul style="list-style-type: none"> <li>• 1 PCI-E 3.0 x16 (FHFL) slot</li> <li>• 2 PCI-E 3.0 x 8 (FHFL) slots</li> <li>• 2 PCI-E 3.0 x 8 (LP) slots</li> </ul>                  |
| Connectivity    | Dual 10GbE RJ45 ports                                                                                                                     | Dual 10GbE RJ45 ports                                                                                                                     | Dual 10GbE RJ45 ports                                                                                                                                                          |
| Power Supply *  | Redundant 750W Platinum Level high-efficiency power supplies                                                                              | Redundant 1200W Titanium Level high-efficiency power supplies                                                                             | Redundant 1200W Titanium Level high-efficiency power supplies                                                                                                                  |

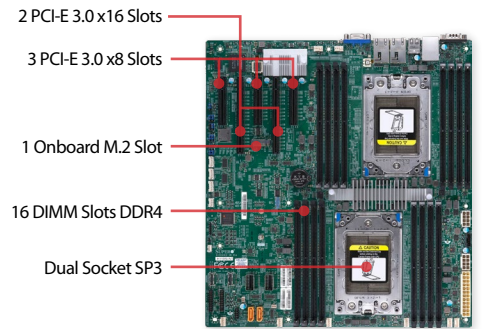
\* Full redundancy based on the configuration and application load

# SuperServer®

*Efficient, Cost-Effective Designs For The Mainstream*



**AS-4023S-TRT**



**H11DSi**

Dual EPYC™ processors supported  
16 DIMMs for up to 2 TB of memory



| Model             | AS-1013S-MTR                                                                                                                                                                       | AS-2013S-C0R                                                                                                                                                         | AS-4023S-TRT                                                                                                                                                                                                             |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor       | 1U rackmount short-depth (19.7")                                                                                                                                                   | 2U rackmount                                                                                                                                                         | Tower/4U rackmount                                                                                                                                                                                                       |
| Processor Support | Single AMD EPYC™ 7000 Series processor (Socket SP3)                                                                                                                                | Single AMD EPYC™ 7000 Series processor (Socket SP3)                                                                                                                  | Dual AMD EPYC™ 7000 Series processors (Socket SP3)                                                                                                                                                                       |
| Memory Support    | 8 DDR4-2666 DIMM slots                                                                                                                                                             | 8 DDR4-2666 DIMM slots                                                                                                                                               | 16 DDR4-2666 DIMM slots                                                                                                                                                                                                  |
| Max Memory        | 1TB                                                                                                                                                                                | 1TB                                                                                                                                                                  | 2TB                                                                                                                                                                                                                      |
| Storage           | <ul style="list-style-type: none"> <li>• 4 hot-swap 3.5" SATA3 drive bays or 4 SAS3 drive bays (optional SAS add-on card)</li> <li>• 2 SATA DOM, 1 M.2 <b>NVMe</b> slot</li> </ul> | <ul style="list-style-type: none"> <li>• 8 hot-swap 3.5" SAS3/SATA3 Drive Bays (onboard Broadcom® SAS 3008)</li> <li>• 2 SATA DOM, 1 M.2 <b>NVMe</b> slot</li> </ul> | <ul style="list-style-type: none"> <li>• 8x 3.5" hot-swap SATA3 (optional SAS3 support via AOC, optional 2 <b>NVMe</b> drive bays) and 2x 5.25" peripheral drive bays</li> <li>• 1 M.2 <b>NVMe</b>/SATA3 slot</li> </ul> |
| Expansion Slots   | 1 PCI-E 3.0 x16 (FHHL) slot                                                                                                                                                        | 3 PCI-E 3.0 x16 and 3 PCI-E 3.0 x8 slots                                                                                                                             | 2 PCI-E 3.0 x16 and 3 PCI-E 3.0 x8 slots                                                                                                                                                                                 |
| Connectivity      | Dual GbE RJ45 ports                                                                                                                                                                | Dual GbE RJ45 ports                                                                                                                                                  | Dual 10GbE RJ45 ports                                                                                                                                                                                                    |
| Power Supply *    | Redundant 400W Platinum Level power supplies                                                                                                                                       | Redundant 740W Platinum Level power supplies                                                                                                                         | Redundant 1280W Platinum Level power supplies                                                                                                                                                                            |

\* Full redundancy based on the configuration and application load

# A+ Server Solutions

*Outstanding Performance Drives Business Agility*

## Leading Performance

*Two-Socket*

**High-Performance,  
Balanced Architecture**

More Cores | More Memory Bandwidth | More I/O

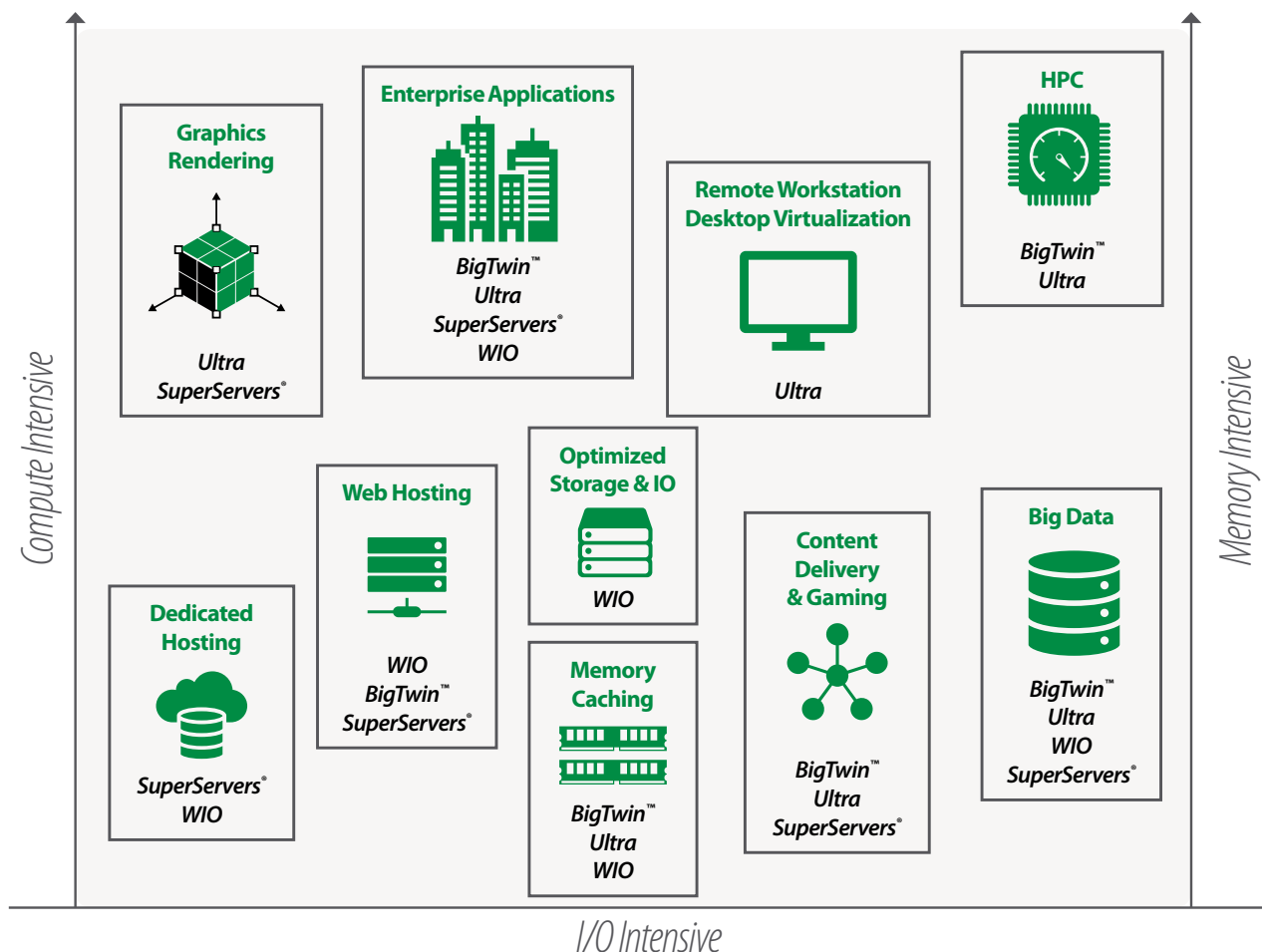
## No Compromise

*One-Socket*

**Right-Size Systems to Workloads  
Without Compromise**

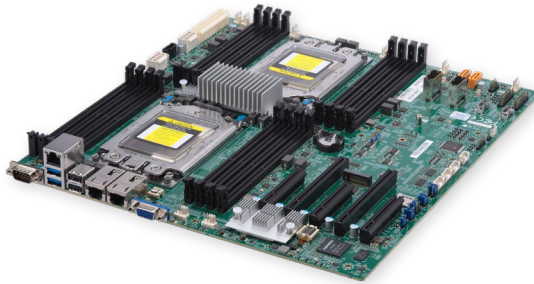
I/O Expansion | Memory Bandwidth | Memory Capacity

## Covering Key Workloads with A+ Servers

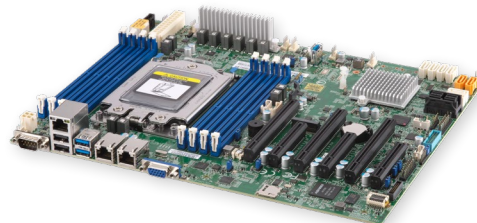


# Building Blocks Solutions®

## Dual EPYC™ 7000 Series EATX



## Single EPYC™ 7000 Series ATX



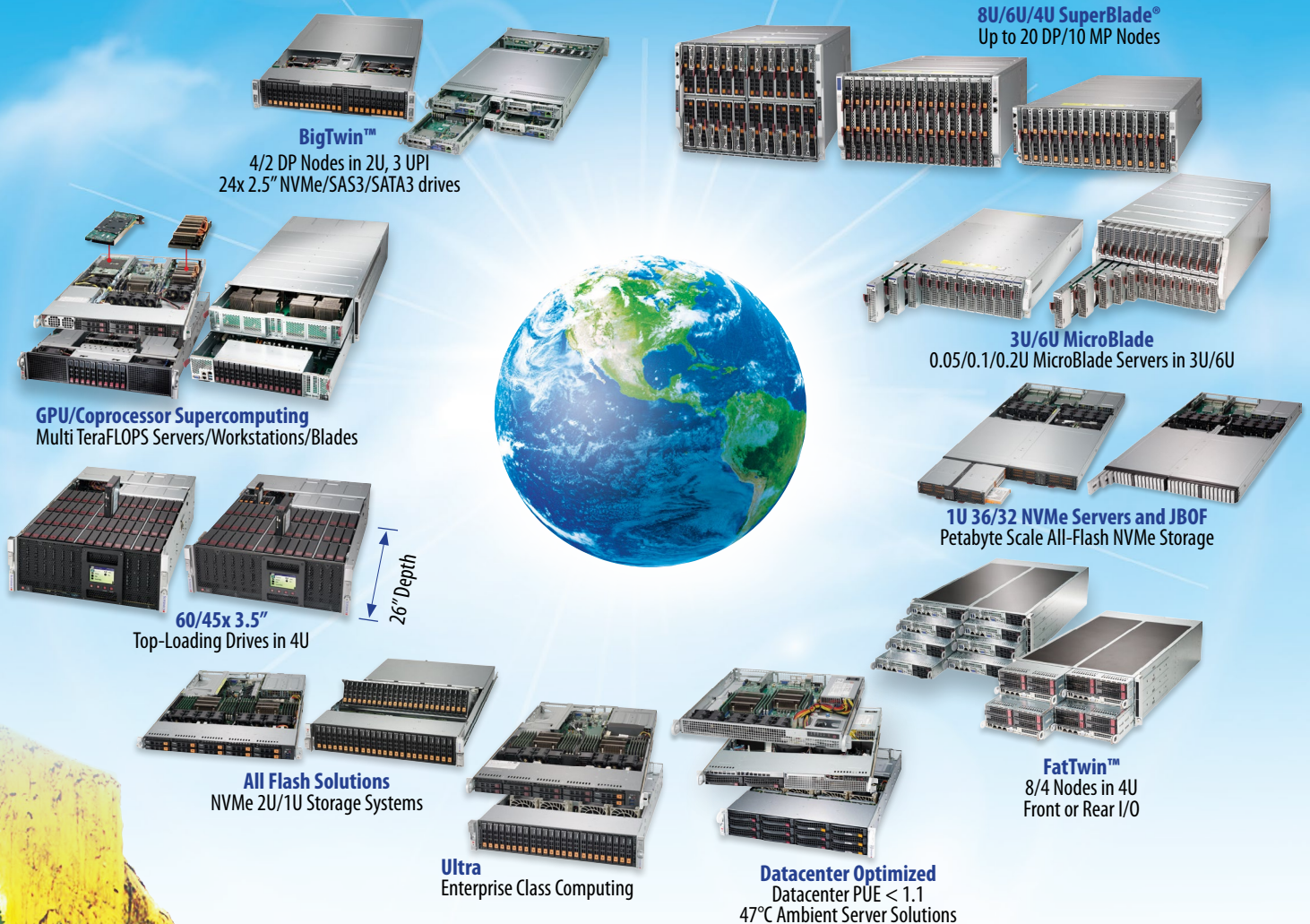
| Model                 | H11DSi / H11DSi-NT                                                                                                                    |                                                                                                                                                                                          | H11SSL-i / H11SSL-C / H11SSL-NC                                                                                                                                             |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor           | EATX                                                                                                                                  |                                                                                                                                                                                          | ATX                                                                                                                                                                         |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| Processor Support     | Dual AMD EPYC™ 7000 Series processors (Socket SP3)                                                                                    |                                                                                                                                                                                          | Single AMD EPYC™ 7000 Series processor (Socket SP3)                                                                                                                         |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| Memory Support        | 16 DDR4-2666 DIMM slots                                                                                                               |                                                                                                                                                                                          | 8 DDR4-2666 DIMM slots                                                                                                                                                      |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| Max Memory            | 2TB                                                                                                                                   |                                                                                                                                                                                          | 1TB                                                                                                                                                                         |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| Expansion Slots       | <ul style="list-style-type: none"> <li>• 3 PCI-E 3.0 x8 slots</li> <li>• 2 PCI-E 3.0 x16 slots</li> </ul>                             |                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• 3 PCI-E 3.0 x16 slots</li> <li>• 3 PCI-E 3.0 x8 slots</li> </ul>                                                                   |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| Storage               | <ul style="list-style-type: none"> <li>• 10 SATA3 ports</li> <li>• 2 SATA DOM ports</li> <li>• 1 M.2 <b>NVMe</b>/SATA slot</li> </ul> | <b>-NT:</b> <ul style="list-style-type: none"> <li>• 10 SATA3 ports</li> <li>• 2 SATA DOM ports</li> <li>• 1 M.2 <b>NVMe</b>/SATA slot</li> <li>• 2 <b>NVMe</b> Oculink ports</li> </ul> | <b>-i:</b> <ul style="list-style-type: none"> <li>• 16 SATA3 ports (8 ports via Mini-SAS HD ports)</li> <li>• 2 SATA DOM ports</li> <li>• 1 M.2 <b>NVMe</b> slot</li> </ul> | <b>-C:</b> <ul style="list-style-type: none"> <li>• Broadcom® SAS3008 for 8 SAS3 drives via Mini-SAS HD ports</li> <li>• 8 SATA3 ports</li> <li>• 2 SATA DOM ports</li> <li>• 1 M.2 <b>NVMe</b> slot</li> </ul> | <b>-NC:</b> <ul style="list-style-type: none"> <li>• Broadcom® SAS3008 for 8 SAS3 drives via Mini-SAS HD ports</li> <li>• 8 SATA3 ports</li> <li>• 2 <b>NVMe</b> Mini-SAS HD ports</li> <li>• 2 SATA DOM ports</li> <li>• 1 M.2 <b>NVMe</b> slot</li> </ul> |
| Networking Interfaces | <ul style="list-style-type: none"> <li>• Dual GbE RJ45 ports</li> <li>• <b>-NT:</b> Dual 10GbE RJ45 ports</li> </ul>                  |                                                                                                                                                                                          | Dual GbE RJ45 ports                                                                                                                                                         |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| Onboard Video         | 1 VGA port via ASpeed AST2500 BMC                                                                                                     |                                                                                                                                                                                          | 1 VGA port via ASpeed AST2500 BMC                                                                                                                                           |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| USB Ports             | <ul style="list-style-type: none"> <li>• 2 USB 3.0 ports (rear)</li> <li>• 4 USB 2.0 ports (2 rear + 2 via header)</li> </ul>         |                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• 5 USB 3.0 ports (2 rear + 2 via header + 1 Type A)</li> <li>• 4 USB 2.0 ports (2 rear + 2 via header)</li> </ul>                   |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |
| Other Onboard I/O     | <ul style="list-style-type: none"> <li>• 1 COM port</li> <li>• 2 SATA DOM power connectors</li> <li>• 1 TPM 2.0 header</li> </ul>     |                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• 1 COM port</li> <li>• 2 SATA DOM power connectors</li> <li>• 1 TPM 2.0 header</li> </ul>                                           |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |

| MB Chassis | H11DSi / H11DSi-NT                                                                                                                                                | H11SSL-i / H11SSL-C / H11SSL-NC                                                                                                                                | Heatsink                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 1U         |                                                                                                                                                                   | <ul style="list-style-type: none"> <li>• SC512F-350B1</li> <li>• SC515-350</li> <li>• SC813MFTQC-350CB2</li> <li>• SC813MFTQC-R407CB</li> </ul>                | <ul style="list-style-type: none"> <li>• SNK-P0062P</li> </ul>   |
| 2U         | <ul style="list-style-type: none"> <li>• SC213AC-R1K23LPB</li> <li>• SC216BE1C4-R1K23LPB</li> <li>• SC826BE1C4-R1K23LPB</li> <li>• SC829HE1C4-R1K62LPB</li> </ul> | <ul style="list-style-type: none"> <li>• SC213AC-R1K23LPB</li> <li>• SC216BE1C4-R1K23LPB</li> <li>• SC825TQC-R740LPB</li> <li>• SC826BE1C4-R1K23LPB</li> </ul> | <ul style="list-style-type: none"> <li>• SNK-P0063AP4</li> </ul> |
| 3U         | <ul style="list-style-type: none"> <li>• SC836BE1C-R1K23B</li> </ul>                                                                                              | <ul style="list-style-type: none"> <li>• SC836BE1C-R1K23B</li> </ul>                                                                                           | <ul style="list-style-type: none"> <li>• SNK-P0063AP4</li> </ul> |
| 4U         | <ul style="list-style-type: none"> <li>• SC745BAC-R1K28B2</li> </ul>                                                                                              | <ul style="list-style-type: none"> <li>• SC846BE1C-R1K23B</li> </ul>                                                                                           | <ul style="list-style-type: none"> <li>• SNK-P0064AP4</li> </ul> |



# We Keep IT Green®

Disaggregated Resource Saving Architectures



Comprehensive Server, Storage and Networking Product Lines Optimized for IT, Datacenter, Embedded, HPC and Cloud Computing



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