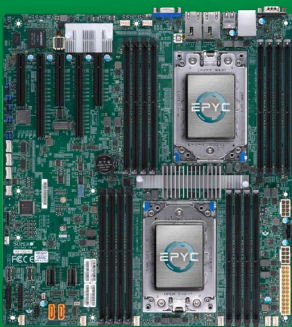




New Generation **A+ Solutions**

Ultra
BigTwin™
WIO Servers
SuperServer®
Building Blocks Solutions®



AMD
EPYC

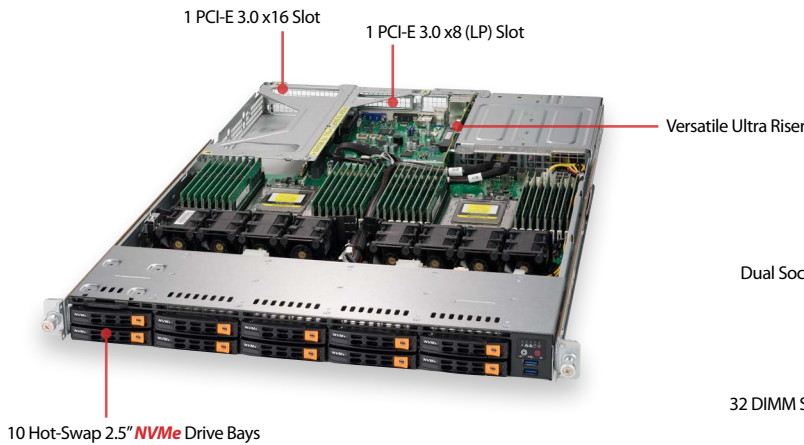
www.supermicro.com/epyc

October 2018

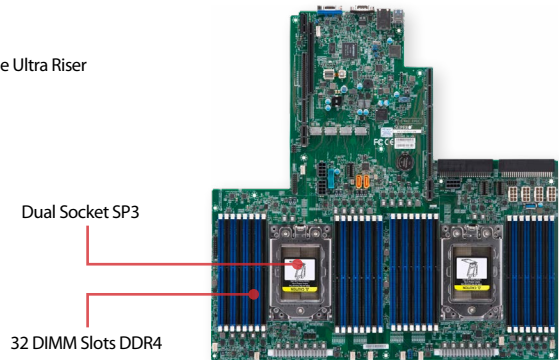
Ultra

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



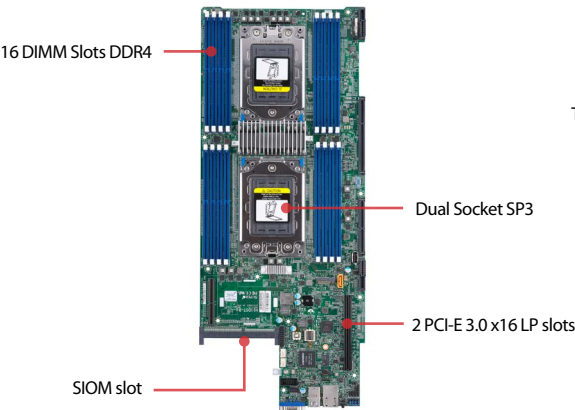
Model	AS-1123US-TR4/TN10RT	AS-1023US-TR4	AS-2123US-TN24R25M	AS-2023US-TR4
Form Factor	1U rackmount	1U rackmount	2U rackmount	2U rackmount
Storage	<ul style="list-style-type: none"> • -TR4: 10x 2.5" hot-swap SATA3 or 8 SATA3 + 2 U.2 NVMe drive bays (optional) • -TN10RT: 10 hot-swap U.2 NVMe drive bays (as shown in picture above); 1 M.2 NVMe slot 	<ul style="list-style-type: none"> • 4x 3.5" hot-swap SATA3 drive bays (optional 4 U.2 NVMe drive bays supported) 	<ul style="list-style-type: none"> • 24 hot-swap U.2 NVMe drive bays 	<ul style="list-style-type: none"> • 12x 3.5" hot-swap drive bays • Optional 4 U.2 NVMe/SATA3 hybrid ports (as shown in picture above)
Expansion Slots	<ul style="list-style-type: none"> • -TR4: 2 PCI-E x16 (FH 9.5" L) slots, 1 PCI-E x8 (LP) slot • -TN10RT: 1 PCI-E x16 (FH 9.5" L) slots, 1 PCI-E x8 (LP) slot 	<ul style="list-style-type: none"> • 2 PCI-E x16 (FH 9.5" L) slots, 1 PCI-E x8 (LP) slot 	N/A	<ul style="list-style-type: none"> • 1 PCI-E 3.0 x16 slot (FH, 10.5" L) • 1 PCI-E 3.0 x8 in 16 slot (FH, 10.5" L) • 4 PCI-E 3.0 x8 slots (FH, 9.5" L) • 1 PCI-E 3.0 x8 slot (LP)
Connectivity	<ul style="list-style-type: none"> • -TR4: Quad GbE RJ45 ports • -TN10RT: Dual 10GbE RJ45 ports 	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

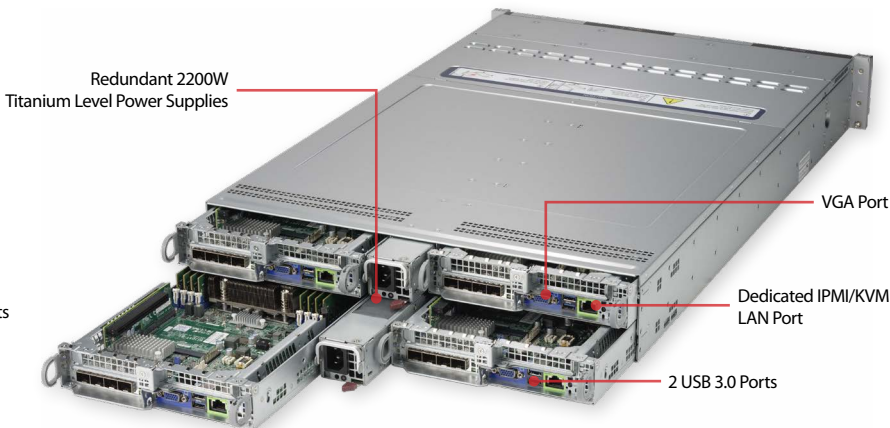
BigTwin™

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



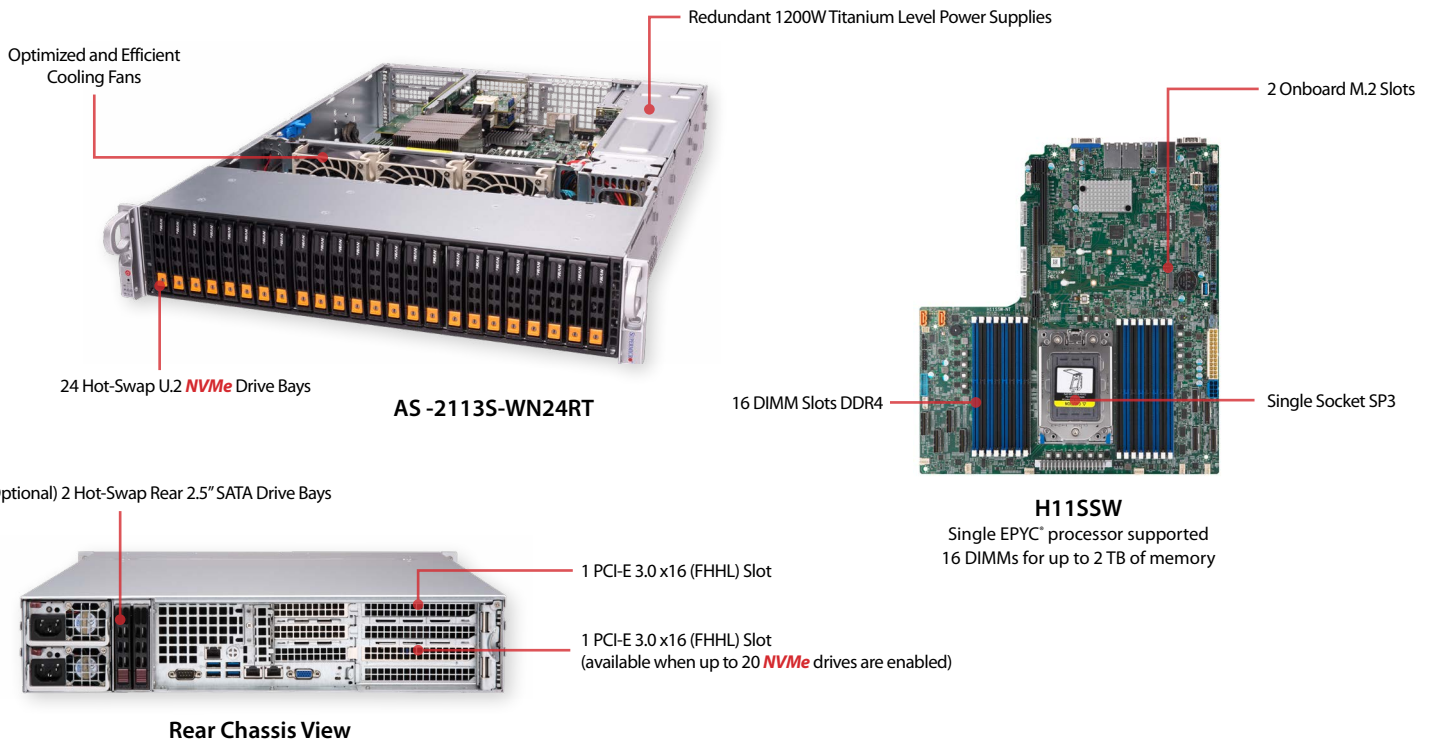
Model	AS-2123BT-HNR	AS-2123BT-HNCOR	AS-2123BT-HTR
Form Factor	2U rackmount	2U rackmount	2U rackmount
Storage	<ul style="list-style-type: none"> 6 hot-swap U.2 NVMe drives per node 1 SATA DOM, 1 M.2 NVMe/SATA3 slot 	<ul style="list-style-type: none"> 6 hot-swap 2.5" SAS3/SATA3 drives (4 of 6 supports U.2 NVMe) per node 1 SATA DOM, 1 M.2 NVMe/SATA3 slot 	<ul style="list-style-type: none"> 6 hot-swap 2.5" SATA3 drives per node 1 SATA DOM, 1 M.2 NVMe/SATA3 slot
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"> • 10 hot-swap U.2 <i>NVMe</i> drive bays • 2 M.2 <i>NVMe</i> slots, 2 SATA DOM 	<ul style="list-style-type: none"> • 24 hot-swap U.2 <i>NVMe</i> drive bays • 2 M.2 <i>NVMe</i> slots, 2 SATA DOM 	<ul style="list-style-type: none"> • 16 hot-swap 2.5" SATA3 drives (optional 6 U.2 <i>NVMe</i> drives supported) • 2 M.2 <i>NVMe</i> slots, 2 SATA DOM
Expansion Slots	<ul style="list-style-type: none"> • 2 PCI-E 3.0 x16 (FHHL) slots • 1 PCI-E 3.0 x16 (LP) slot 	1 PCI-E 3.0 x16 (FHHL) slots	<ul style="list-style-type: none"> • 1 PCI-E 3.0 x16 (FHFL) slot • 2 PCI-E 3.0 x 8 (FHFL) slots • 2 PCI-E 3.0 x 8 (LP) slots
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

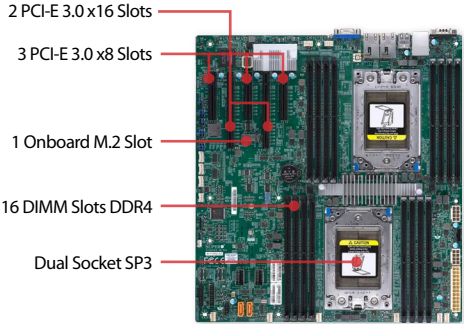
* Full redundancy based on the configuration and application load

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 (for AS-4023S-TRT only)



Model	AS-1013S-MTR	AS-2013S-COR	AS-4023S-TRT
Form Factor	1U rackmount short-depth (19.7")	2U rackmount	Tower/4U rackmount
Motherboard	H11SSL-i	H11SSL-C	H11DSi-NT
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"> 4 hot-swap 3.5" SATA3 drive bays or 4 SAS3 drive bays (optional SAS add-on card) 2 SATA DOM, 1 M.2 NVMe slot 	<ul style="list-style-type: none"> 8 hot-swap 3.5" SAS3/SATA3 Drive Bays (onboard Broadcom® SAS 3008) 2 SATA DOM, 1 M.2 NVMe slot 	<ul style="list-style-type: none"> 8x 3.5" hot-swap SATA3 (optional SAS3 support via AOC, optional 2 U.2 NVMe drive bays) and 2x 5.25" peripheral drive bays 1 M.2 NVMe/SATA3 slot
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

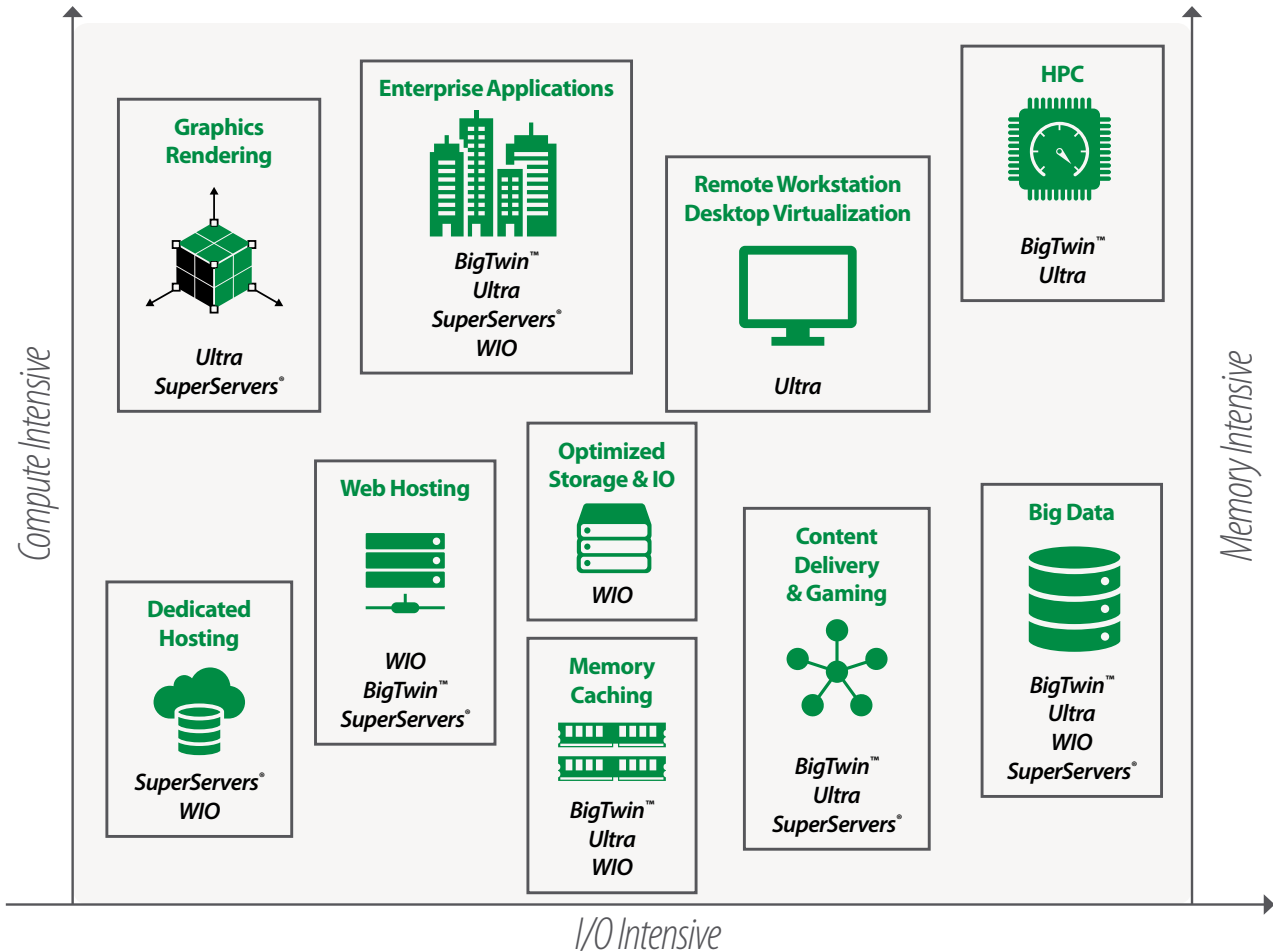
No Compromise

One-Socket

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

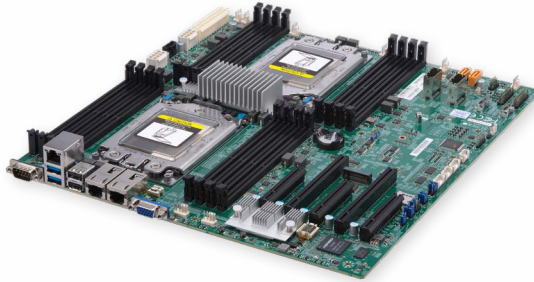
I/O Expansion | Memory Bandwidth | Memory Capacity

Covering Key Workloads with A+ Servers

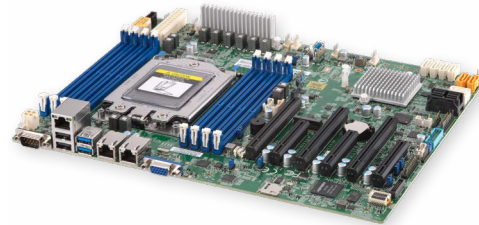


Building Blocks Solutions[®]

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"> • 3 PCI-E 3.0 x8 slots • 2 PCI-E 3.0 x16 slots 		<ul style="list-style-type: none"> • 3 PCI-E 3.0 x16 slots • 3 PCI-E 3.0 x8 slots 		
Storage	<ul style="list-style-type: none"> • 10 SATA3 ports • 2 SATA DOM ports • 1 M.2 NVMe/SATA slot 	-NT: <ul style="list-style-type: none"> • 10 SATA3 ports • 2 SATA DOM ports • 1 M.2 NVMe/SATA slot • 2 NVMe Oculink ports 	-i: <ul style="list-style-type: none"> • 16 SATA3 ports (8 ports via Mini-SAS HD ports) • 2 SATA DOM ports • 1 M.2 NVMe slot 	-C: <ul style="list-style-type: none"> • Broadcom® SAS3008 for 8 SAS3 drives via Mini-SAS HD ports • 8 SATA3 ports • 2 SATA DOM ports • 1 M.2 NVMe slot 	-NC: <ul style="list-style-type: none"> • Broadcom® SAS3008 for 8 SAS3 drives via Mini-SAS HD ports • 8 SATA3 ports • 2 NVMe Mini-SAS HD ports • 2 SATA DOM ports • 1 M.2 NVMe slot
Networking Interfaces	<ul style="list-style-type: none"> • Dual GbE RJ45 ports • -NT: Dual 10GbE RJ45 ports 		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"> • 2 USB 3.0 ports (rear) • 4 USB 2.0 ports (2 rear + 2 via header) 		<ul style="list-style-type: none"> • 5 USB 3.0 ports (2 rear + 2 via header + 1 Type A) • 4 USB 2.0 ports (2 rear + 2 via header) 		
Other Onboard I/O	<ul style="list-style-type: none"> • 1 COM port • 2 SATA DOM power connectors • 1 TPM 2.0 header 		<ul style="list-style-type: none"> • 1 COM port • 2 SATA DOM power connectors • 1 TPM 2.0 header 		

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

We Keep IT Green®

Disaggregated Resource Saving Architectures



BigTwin™
4/2 DP Nodes in 2U, 3 UPI
24x 2.5" NVMe/SAS3/SATA3 drives



8U/6U/4U SuperBlade®
Up to 20 DP/10 MP Nodes



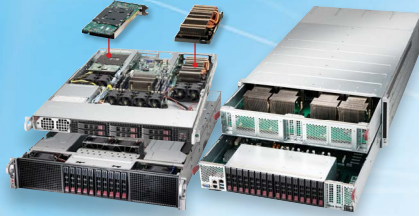
3U/6U MicroBlade
0.05/0.1/0.2U MicroBlade Servers in 3U/6U



1U 36/32 NVMe Servers and JBOF
Petabyte Scale All-Flash NVMe Storage



FatTwin™
8/4 Nodes in 4U
Front or Rear I/O



GPU/Coprocessor Supercomputing
Multi TeraFLOPS Servers/Workstations/Blades



60/45x 3.5"
Top-Loading Drives in 4U

26" Depth



All Flash Solutions
NVMe 2U/1U Storage Systems

Ultra
Enterprise Class Computing



Datacenter Optimized
Datacenter PUE < 1.1
47°C Ambient Server Solutions



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



Worldwide Headquarters

Super Micro Computer, Inc.
980 Rock Ave.
San Jose, CA 95131, USA
Tel: +1-408-503-8000
Fax: +1-408-503-8008
E-mail: Marketing@Supermicro.com

EMEA Headquarters

Super Micro Computer, B.V.
Het Sterrenbeeld 28, 5215 ML,
's-Hertogenbosch, The Netherlands
Tel: +31-73-640-0390
Fax: +31-73-641-6525
E-mail: Marketing@Supermicro.nl

APAC Headquarters

Super Micro Computer, Taiwan Inc.
3F, No. 150, Jian 1st Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan
Tel: +886-2-8226-3990
Tel: +886-2-8226-3991
E-mail: Marketing@Supermicro.com.tw

www.Supermicro.com

©Super Micro Computer, Inc. Specifications subject to change without notice. All other brands and names are the property of their respective owners. All logos, brand names, campaign statements and product images contained herein are copyrighted and may not be reprinted and/or reproduced, in whole or in part, without express written permission by Supermicro Corporate Marketing.

