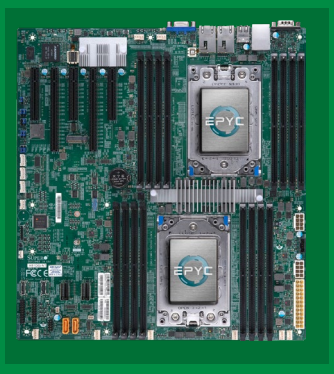
New Generation

A+ Solutions

Ultra
BigTwin™
WIO Servers
SuperServer®
Building Blocks Solutions®



AMD EPYC

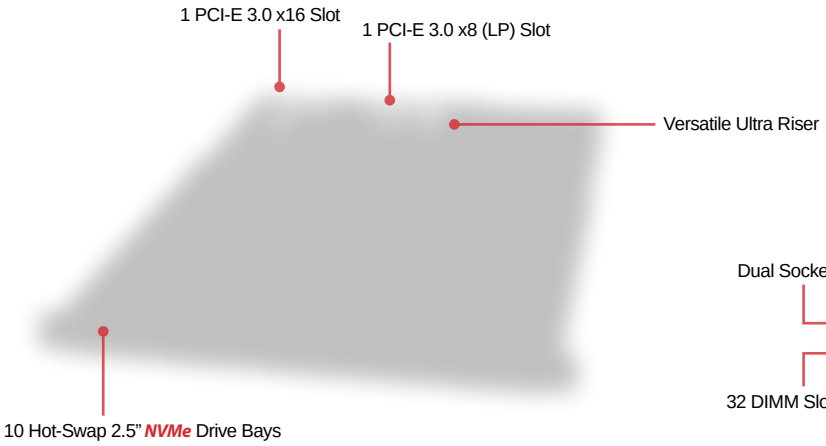
www.supermicro.com/epyc

June 2018

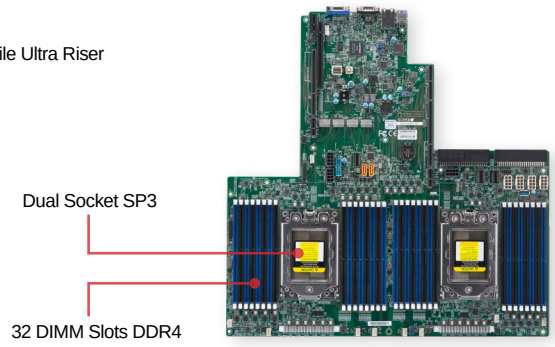
Ultra

Industry Leading IOPs, Energy E ciency

• 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

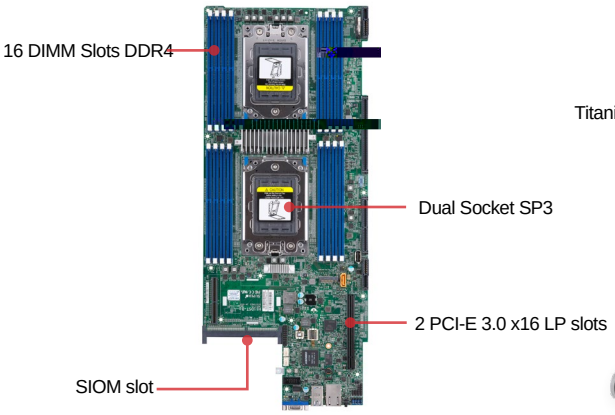
Model	AS-1123US-TR4/TN10RT	AS-1023US-TR4	AS -2123US-TN24R25M	AS-2023US-TR4
Form Factor	1U rackmount	1U rackmount	2U rackmount	2U rackmount
Storage	• -***TR4***: 10x 2.5" hot-swap SATA3 or 8 SATA3 + 2 ***NVMe*** drive bays (optional) • -***TN10RT***: 10 hot-swap U.2 ***NVMe*** drive bays (as shown in picture above); 1 M.2 ***NVMe*** slot	4x 3.5" hot-swap SATA3 drive bays (optional 4 ***NVMe*** supported)	24 hot-swap U.2 ***NVMe*** drive bays	• 12x 3.5" hot-swap drive bays • Optional 4 ***NVMe***/SATA3 hybrid ports (as shown in picture above)
Expansion Slots	-***TR4***: • 2 PCI-E x16 (FHHL 9.5") slots • 1 PCI-E x8 (LP) slot -***TN10RT***: • 1 PCI-E x16 (FHHL 9.5") slots • 1 PCI-E x8 (LP) slot	• 2 PCI-E x16 (FHHL 9.5") slots • 1 PCI-E x8 (LP) slot	N/A	• 2 PCI-E x16 (FHFL) slots • 4 PCI-E x8 (FHHL) slots • 1 PCI-E x8 (LP) slot
Connectivity	• -***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

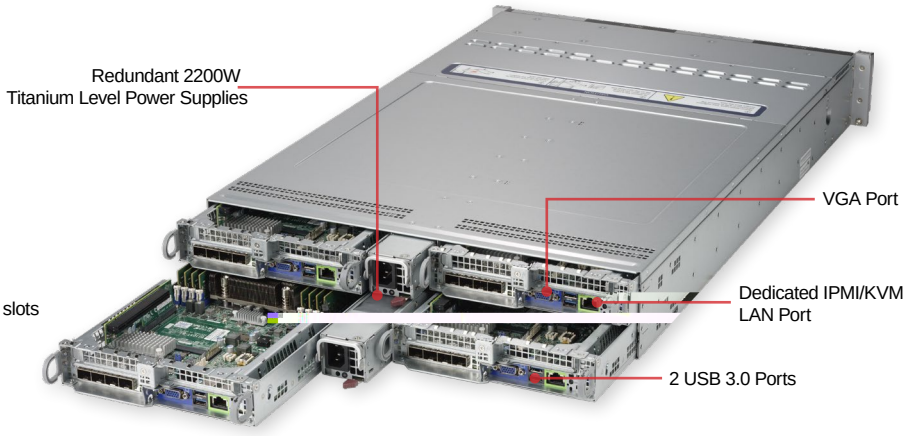
BigTwin™

No-Compromise 2U 4-Node Twin Arch

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



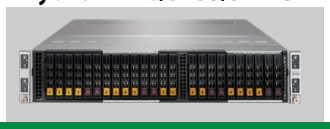
H11DST-B
Dual EPYC™ processors supported
16 DIMMs for up to 2 TB of memory



Rear Chassis View

All-Flash *NVMe*

Hybrid *NVMe*/SAS3/SATA3



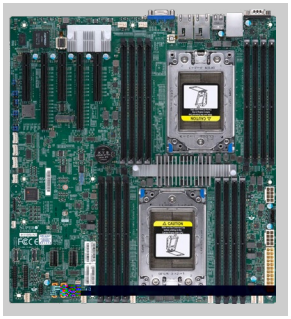
SATA3 Model

Model	AS-2123BT-HNR	AS-2123BT-HNC0R	AS-2123BT-HTR
Form Factor	2U rackmount	2U rackmount	2U rackmount
Storage	• 6 hot-swap U.2 *NVMe* drives per node • 1 SATA DOM, 1 M.2 *NVMe*/SATA3 slot	• 6 hot-swap 2.5" SAS3/SATA3 drives (4 of 6 supports *NVMe*) per node • 1 SATA DOM, 1 M.2 *NVMe*/SATA3 slot	• 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

SuperServer®

E cient, Cost-E ective Designs For The M



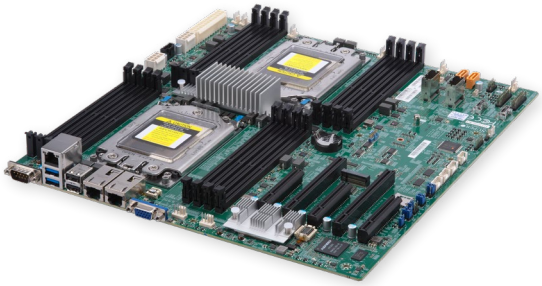
H11DSi
Dual EPYC™ processors supported
16 DIMMs for up to 2 TB of memory

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	• 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	• 8 hot-swap 3.5” SAS3/SATA3 Drive Bays (onboard Broadcom® SAS 3008) • 2 SATA DOM, 1 M.2 ***NVMe*** slot	• 8x 3.5” hot-swap SATA3 (optional SAS3 support via AOC, optional 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

Building Blocks Solutions®

Dual EPYC™ 7000 Series EATX



Single EPYC™ 7000 Series ATX

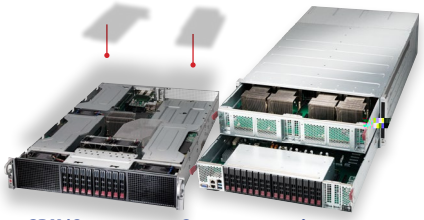
Model	H11DSi / H11DSi-NT		H11SSL-i / H11SSL-C / H11SSL-NC		
Form Factor	EATX		ATX		
Processor Support	Dual AMD EPYC™ 7000 Series processors (Socket SP3)		Single AMD EPYC™ 7000 Series processor (Socket SP3)		
Memory Support	16 DDR4-2666 DIMM slots		8 DDR4-2666 DIMM slots		
Max Memory	2TB		1TB		
Expansion Slots	• 3 PCI-E 3.0 x8 slots • 2 PCI-E 3.0 x16 slots		• 3 PCI-E 3.0 x16 slots • 3 PCI-E 3.0 x8 slots		
Storage	• 10 SATA3 ports • 2 SATA DOM ports • 1 M.2 ***NVMe***/SATA slot	***-NT***: • 10 SATA3 ports • 2 SATA DOM ports • 1 M.2 ***NVMe***/SATA slot • 2 ***NVMe*** Oculink ports	***-i***: • 16 SATA3 ports (8 ports via Mini-SAS HD ports) • 2 SATA DOM ports • 1 M.2 ***NVMe*** slot	***-C***: • Broadcom® SAS3008 for 8 SAS3 drives via Mini-SAS HD ports • 8 SATA3 ports • 2 SATA DOM ports • 1 M.2 ***NVMe*** slot	***-NC***: • 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	• 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	• 2 USB 3.0 ports (rear) • 4 USB 2.0 ports (2 rear + 2 via header)		• 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	• 1 COM port • 2 SATA DOM power connectors • 1 TPM 2.0 header		• 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		• SC512F-350B1 • SC515-350 • SC813MFTQC-350CB2 • SC813MFTQC-R407CB	• SNK-P0062P
2U	• SC213AC-R1K23LPB • SC216BE1C4-R1K23LPB • SC826BE1C4-R1K23LPB • SC829HE1C4-R1K62LPB	• SC213AC-R1K23LPB • SC216BE1C4-R1K23LPB • SC825TQC-R740LPB • SC826BE1C4-R1K23LPB	• SNK-P0063AP4
3U	• SC836BE1C-R1K23B	• SC836BE1C-R1K23B	• SNK-P0063AP4
4U	• SC745BAC-R1K28B2	• SC846BE1C-R1K23B	• SNK-P0064AP4

We Keep IT Green®

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



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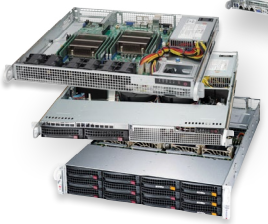

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