

# A+ Servers Performance World Records

SUPERMICRO®

Last Updated 6/9/2023

Partner	AMD EPYC™	Workload (metric)	Segment	Significance	Score
A+ Server 1115CS-TNR	9754	SPEC MPI® 2007 - SPECmpiM® 2007 Base (SPECmpiM®_base2007)	HPC Performance Intensive Computing	Best 1-node, 1 CPU MPI Medium base score	36.4
A+ Server 1115CS-TNR	9754	SPEC MPI® 2007 - SPECmpiM® 2007 Peak (SPECmpiM®_peak2007)	HPC Performance Intensive Computing	Best 1-node, 1 CPU MPI Medium peak score	36.4
A+ Server 1115CS-TNR	9754	SPEChpc®2021 Small MPI base (SPEChpc2021_sml_base)	HPC Performance Intensive Computing	Best 1-node, 1 CPU overall MPI small base score	0.673
A+ Server 1115CS-TNR	9754	SPEChpc®2021 Tiny MPI base (SPEChpc2021_tny_base)	HPC Performance Intensive Computing	Best 1-node, 1 CPU overall MPI tiny base score	5.78
A+ Server 1115CS-TNR	9754	SPECjbb® 2015 (SPECjbb®2015-Composite max-jOPS)	Enterprise server-side Java®	Best 1 CPU	401,442
A+ Server 1115CS-TNR	9754	SPECjbb® 2015 (SPECjbb®2015-Composite max-jOPS)	Enterprise server-side Java®	Best 1 CPU, Linux	401,442
A+ Server 1115CS-TNR	9754	SPECjbb® 2015 (SPECjbb®2015-Composite critical-jOPS)	Enterprise server-side Java®	Best 1 CPU	377,984
A+ Server 1115CS-TNR	9754	SPECjbb® 2015 (SPECjbb®2015-Composite critical-jOPS)	Enterprise server-side Java®	Best 1 CPU, Linux	377,984
A+ Server 1115CS-TNR	9654	SPEC MPI® 2007 - SPECmpiM® 2007 Base (SPECmpiM®_base2007)	Massively parallel apps	Best 1-node, 1 CPU MPI Medium base score	36
A+ Server 2125HS-TNR	9654	SPEC MPI® 2007 - SPECmpiM® 2007 Base (SPECmpiM®_base2007)	Massively parallel apps	Best 1-node, 2 CPU MPI Medium base score	64.1
A+ Server 1115CS-TNR	9654	SPEC MPI® 2007 - SPECmpiM® 2007 Peak (SPECmpiM®_peak2007)	Massively parallel apps	Best 1-node, 1 CPU MPI Medium peak score	36
A+ Server 2125HS-TNR	9654	SPEC MPI® 2007 - SPECmpiM® 2007 Peak (SPECmpiM®_peak2007)	Massively parallel apps	Best 1-node, 2 CPU MPI Medium peak score	64.1
A+ Server 1115CS-TNR	9654	SPEChpc® 2021 (SPEChpc®2021_tny_base)	Massively parallel apps	Best 1-node, 1 CPU base OMP score	6.5
A+ Server 1115CS-TNR	9654	SPEChpc® 2021 (SPEChpc®2021_tny_peak)	Massively parallel apps	Best 1-node, 1 CPU peak OMP score	6.5
A+ Server 2125HS-TNR	9654	SPECjbb®2015 (Distributed critical-jOPS)	Enterprise server-side Java®	Best 1-node, 2 CPU	608,194
A+ Server 2125HS-TNR	9654	SPECjbb®2015 (Distributed critical-jOPS)	Enterprise server-side Java®	Best 1-node, 2 CPU, Linux	608,194
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Floating Point (SPECrate®2017_fp_base)	Floating Point	Best 2-node 4 CPU (ScaleMP)	806
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Floating Point (SPECrate®2017_fp_base)	Floating Point	Best 4-node 8 CPU (ScaleMP)	1,550

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A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Floating Point (SPECrate®2017_fp_base)	Floating Point	Best 8-node 16 CPU (ScaleMP)	3,120
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Floating Point (SPECrate®2017_fp_base)	Floating Point	Best 16-node 32 CPU (ScaleMP)	5,870
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Floating Point (SPECrate®2017_fp_base)	Floating Point	Best overall CPU (ScaleMP)	5,870
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Integer (SPECrate®2017_int_base)	Integer	Best 2-node 4 CPU (ScaleMP)	1,150
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Integer (SPECrate®2017_int_base)	Integer	Best 4-node 8 CPU (ScaleMP)	2,250
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Integer (SPECrate®2017_int_base)	Integer	Best 8-node 16 CPU (ScaleMP)	4,290
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Integer (SPECrate®2017_int_base)	Integer	Best 16-node 32 CPU (ScaleMP)	7,100
A+ Server 2123BT-HNC0R	7702	SPECrate® 2017 Integer (SPECrate®2017_int_base)	Integer	Best overall CPU (ScaleMP)	7,100
A+ Server 1124US-TNRP	7763	SPECjbb® 2015-Composite (SPECjbb®2015-Composite critical-jOPS)	Java	Best 1-node 2 CPU	292,414
A+ Server 1124US-TNRP	7763	SPECjbb® 2015-Composite (SPECjbb®2015-Composite critical-jOPS)	Java	Best 1-node *Linux* 2 CPU	292,414
A+ Server 1124US-TNRP	7763	SPECjbb® 2015-Composite (SPECjbb®2015-Composite critical-jOPS)	Java	Best overall CPU	292,414
A+ Server 1124US-TNRP	7763	SPECjbb® 2015-Composite (SPECjbb®2015-Composite max-jOPS)	Java	Best 1-node 2 CPU	330,326
A+ Server 1124US-TNRP	7763	SPECjbb® 2015-Composite (SPECjbb®2015-Composite max-jOPS)	Java	Best 1-node *Linux* 2 CPU	330,326
A+ Server 1124US-TNRP	7763	SPECjbb® 2015-Composite (SPECjbb®2015-Composite max-jOPS)	Java	Best overall CPU	330,326
A+ Server 2124BT-HTR	7742	SPECjbb® 2015-Distributed (SPECjbb®2015-Distributed critical-jOPS)	Java	Best 4-node 2 CPU	940,984
A+ Server 2124BT-HTR	7742	SPECjbb® 2015-Distributed (SPECjbb®2015-Distributed critical-jOPS)	Java	Best 4-node *Linux* 2 CPU	940,984
A+ SuperBlade SBA-4114S-T2N	7773X	SPECjbb® 2015-Distributed (SPECjbb®2015-Distributed critical-jOPS)	Java	Best 20-node *Linux* 1 CPU	2,996,424
A+ SuperBlade SBA-4114S-T2N	7773X	SPECjbb® 2015-Distributed (SPECjbb®2015-Distributed critical-jOPS)	Java	Best 20-node 1 CPU	2,996,424
A+ SuperBlade SBA-4114S-T2N	7773X	SPECjbb® 2015-Distributed (SPECjbb®2015-Distributed critical-jOPS)	Java	Best overall CPU	2,996,424

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A+ SuperBlade SBA-4114S-T2N	7773X	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best 20-node *Linux* 1 CPU	4,223,571
A+ SuperBlade SBA-4114S-T2N	7773X	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best 20-node 1 CPU	4,223,571
A+ SuperBlade SBA-4114S-T2N	7773X	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best overall CPU	4,223,571
A+ SuperBlade SBA-4119S-C2N	7763	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed critical-jOPS)	Java	Best 20-node 1 CPU	2,561,044
A+ SuperBlade SBA-4119S-C2N	7763	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed critical-jOPS)	Java	Best 20-node *Linux* 1 CPU	2,561,044
A+ SuperBlade SBA-4119S-C2N	7763	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed critical-jOPS)	Java	Best overall CPU	2,561,044
A+ Server AS-2124BT-HTR	7742	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best 4-node 2 CPU	1,231,087
A+ Server AS-2124BT-HTR	7742	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best 4-node *Linux* 2 CPU	1,231,087
A+ SuperBlade SBA-4119S-C2N	7763	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best 20-node 1 CPU	3,616,168
A+ SuperBlade SBA-4119S-C2N	7763	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best 20-node *Linux* 1 CPU	3,616,168
A+ SuperBlade SBA-4119S-C2N	7763	SPECjbb® 2015-Distributed (SPECjbb® 2015-Distributed max-jOPS)	Java	Best overall CPU	3,616,168
A+ AS-1124US-TNRP	7763	SPECjbb® 2015-MultiJVM (SPECjbb® 2015-MultiJVM critical-jOPS)	Java	Best 1-node 2 CPU	301,297
A+ AS-1124US-TNRP	7763	SPECjbb® 2015-MultiJVM (SPECjbb® 2015-MultiJVM critical-jOPS)	Java	Best 1-node *Linux* 2 CPU	301,297
A+ AS-1124US-TNRP	7F72	TPC Benchmark™ C (per tpmC)	Relational	Best 1-node 2 CPU price/performance	654
A+ AS-1124US-TNRP	7F72	TPC Benchmark™ C (tpmC)	Relational	Best 1-node 2 CPU	380,475
A+ Server 2123BT-HNC0R	7502P	TPC Benchmark™ DS (per QphDS@10000GB)	Big Data Analytics	Best 1-node overall CPU price/performance	0.12
A+ Server 2123BT-HNC0R	7502P	TPC Benchmark™ DS (QphDS@10000GB)	Big Data Analytics	Best 16-node 2 CPU	4,418,054
A+ Server 2014TP-HTR	75F3	TPC Express Benchmark™ IoT (IoTps)	Big Data Analytics	Best overall CPU	3,410,800
A+ Server 2014TP-HTR	75F3	TPC Express Benchmark™ IoT (per IoTps)	Big Data Analytics	Best overall CPU price/performance	0.09