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ram_default

Intel Core i5-8500 testing with a MSI Z370-A PRO (MS-7B48) v1.0 (2.D2 BIOS) and MSI NVIDIA GeForce GTX 1060 6GB on ManjaroLinux 21.1.5 via the Phoronix Test Suite.

Test Systems:

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Processor: Intel Core i5-8500 @ 4.10GHz (6 Cores), Motherboard: MSI Z370-A PRO (MS-7B48) v1.0 (2.D2 BIOS), Chipset: Intel 8th Gen Core, Memory: 16GB, Disk: 512GB ADATA SX8200PNP + 120GB KINGSTON SA400S3 + 2000GB Seagate ST2000DM006-2DM1, Graphics: MSI NVIDIA GeForce GTX 1060 6GB, Audio: Realtek ALC892, Monitor: ACER V243H, Network: Realtek RTL8111/8168/8411

OS: ManjaroLinux 21.1.5, Kernel: 5.14.10-1-MANJARO (x86_64), Desktop: Xfce 4.16, Display Server: X Server 1.20.13, Display Driver: NVIDIA 470.63.01, OpenGL: 4.6.0 NVIDIA 470.63.01, Compiler: GCC 11.1.0, File-System: btrfs, Screen Resolution: 1920x1080

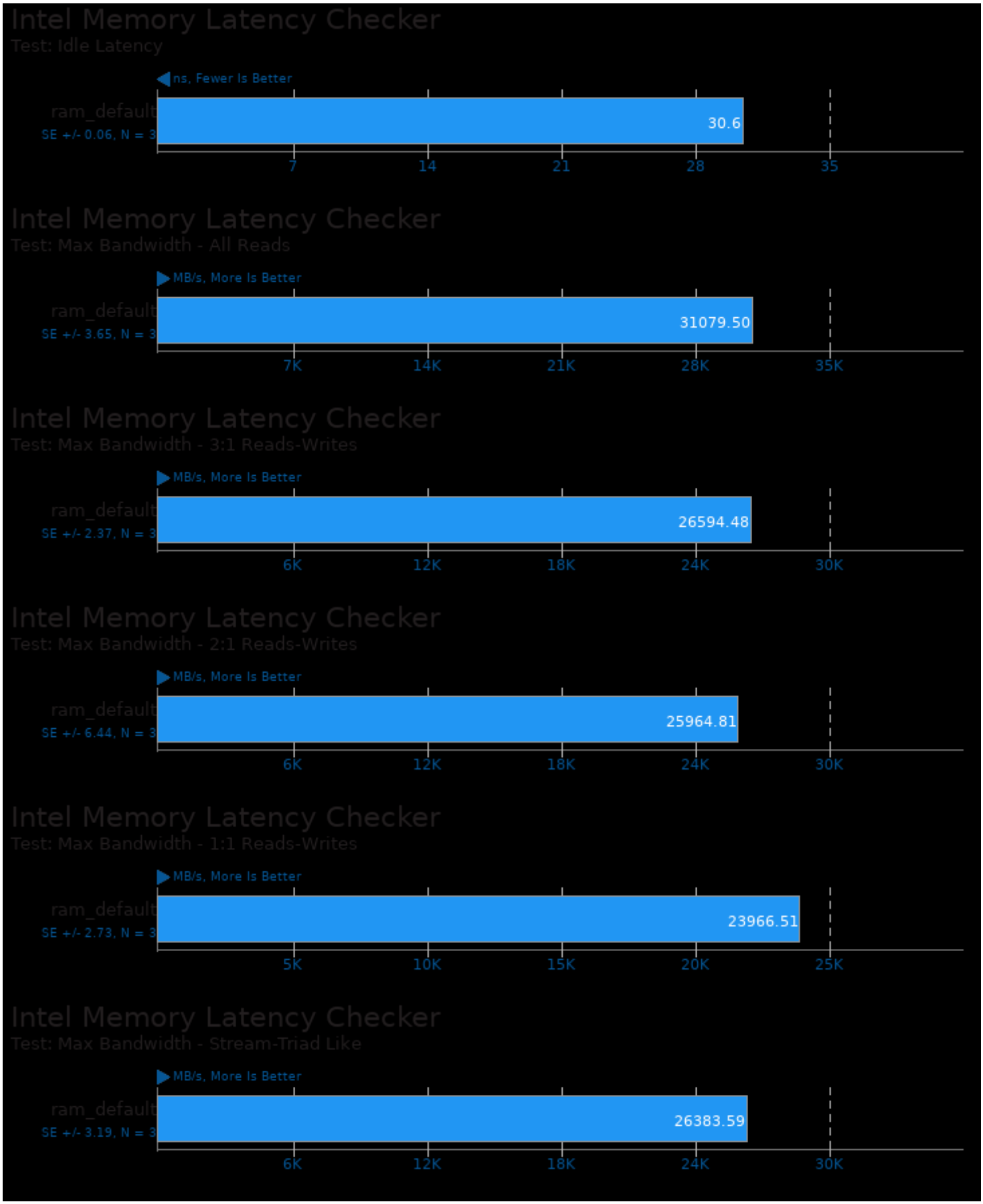
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xea

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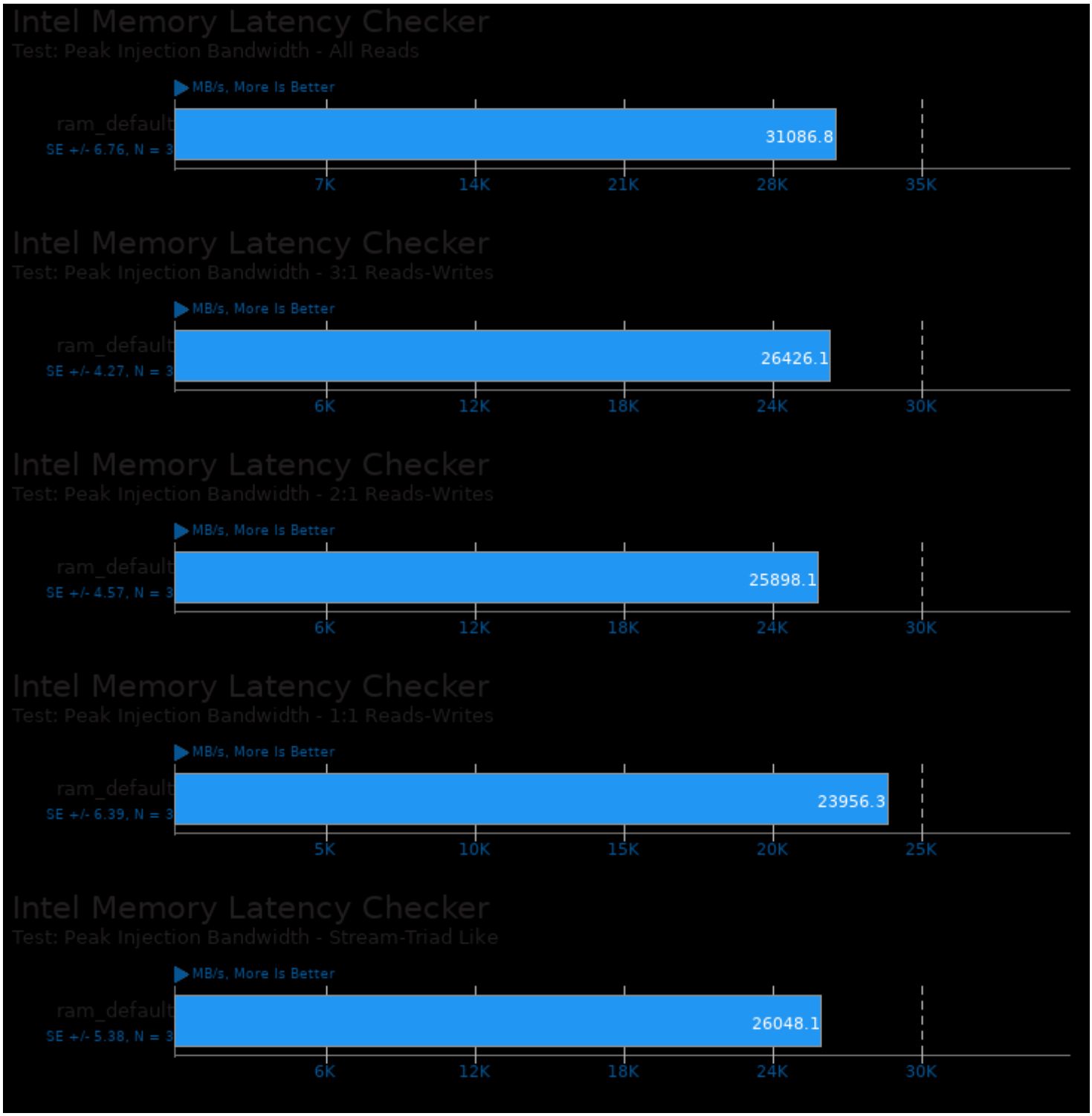
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Mitigation of TSX disabled

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Intel Memory Latency Checker - Idle Latency (ns)	30.6
Standard Deviation	0.3%
Intel Memory Latency Checker - Max Bandwidth - All Reads (MB/s)	31080
Standard Deviation	0%
Intel Memory Latency Checker - Max Bandwidth - 3:1 Reads-Writes (MB/s)	26594
Standard Deviation	0%
Intel Memory Latency Checker - Max Bandwidth - 2:1 Reads-Writes (MB/s)	25965
Standard Deviation	0%
Intel Memory Latency Checker - Max Bandwidth - 1:1 Reads-Writes (MB/s)	23967
Standard Deviation	0%
Intel Memory Latency Checker - Max Bandwidth - Stream-Triad Like (MB/s)	26384
Standard Deviation	0%
Intel Memory Latency Checker - P.I.B - All Reads (MB/s)	31087
Standard Deviation	0%
Intel Memory Latency Checker - P.I.B - 3:1 Reads-Writes (MB/s)	26426
Standard Deviation	0%
Intel Memory Latency Checker - P.I.B - 2:1 Reads-Writes (MB/s)	25898
Standard Deviation	0%
Intel Memory Latency Checker - P.I.B - 1:1 Reads-Writes (MB/s)	23956
Standard Deviation	0%
Intel Memory Latency Checker - P.I.B - Stream-Triad Like (MB/s)	26048
Standard Deviation	0%

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Intel Memory Latency Checker
Test: Idle Latency
ns, Fewer Is Better
ram_default
SE +/- 0.06, N = 3
30.6
7
14
21
28
35
Intel Memory Latency Checker
Test: Max Bandwidth - All Reads
MB/s, More Is Better
ram_default
SE +/- 3.65, N = 3
31079.50
7K
14K
21K
28K
35K
Intel Memory Latency Checker
Test: Max Bandwidth - 3:1 Reads-Writes
MB/s, More Is Better
ram_default
SE +/- 2.37, N = 3
26594.48
6K
12K
18K
24K
30K
Intel Memory Latency Checker
Test: Max Bandwidth - 2:1 Reads-Writes
MB/s, More Is Better
ram_default
SE +/- 6.44, N = 3
25964.81
6K
12K
18K
24K
30K
Intel Memory Latency Checker
Test: Max Bandwidth - 1:1 Reads-Writes
MB/s, More Is Better
ram_default
SE +/- 2.73, N = 3
23966.51
5K
10K
15K
20K
25K
Intel Memory Latency Checker
Test: Max Bandwidth - Stream-Triad Like
MB/s, More Is Better
ram_default
SE +/- 3.19, N = 3
26383.59
6K
12K
18K
24K
30K

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 04:44.