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openssl-manjaro-performance

Intel Core i5-9300H testing with a MSI MS-17F2 (E17F2IMS.105 BIOS) and MSI Intel UHD 630 CFL GT2 on ManjaroLinux 21.1.5 via the Phoronix Test Suite.

Test Systems:

openssl-manjaro-performance

Processor: Intel Core i5-9300H @ 4.10GHz (4 Cores / 8 Threads), Motherboard: MSI MS-17F2 (E17F2IMS.105 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 16GB, Disk: 250GB Western Digital WDS250G2B0B + 500GB CT500MX500SSD1, Graphics: MSI Intel UHD 630 CFL GT2 (1050MHz), Audio: Realtek ALC269VC, Network: Realtek RTL8111/8168/8411 + Intel Cannon Lake PCH CNVi WiFi

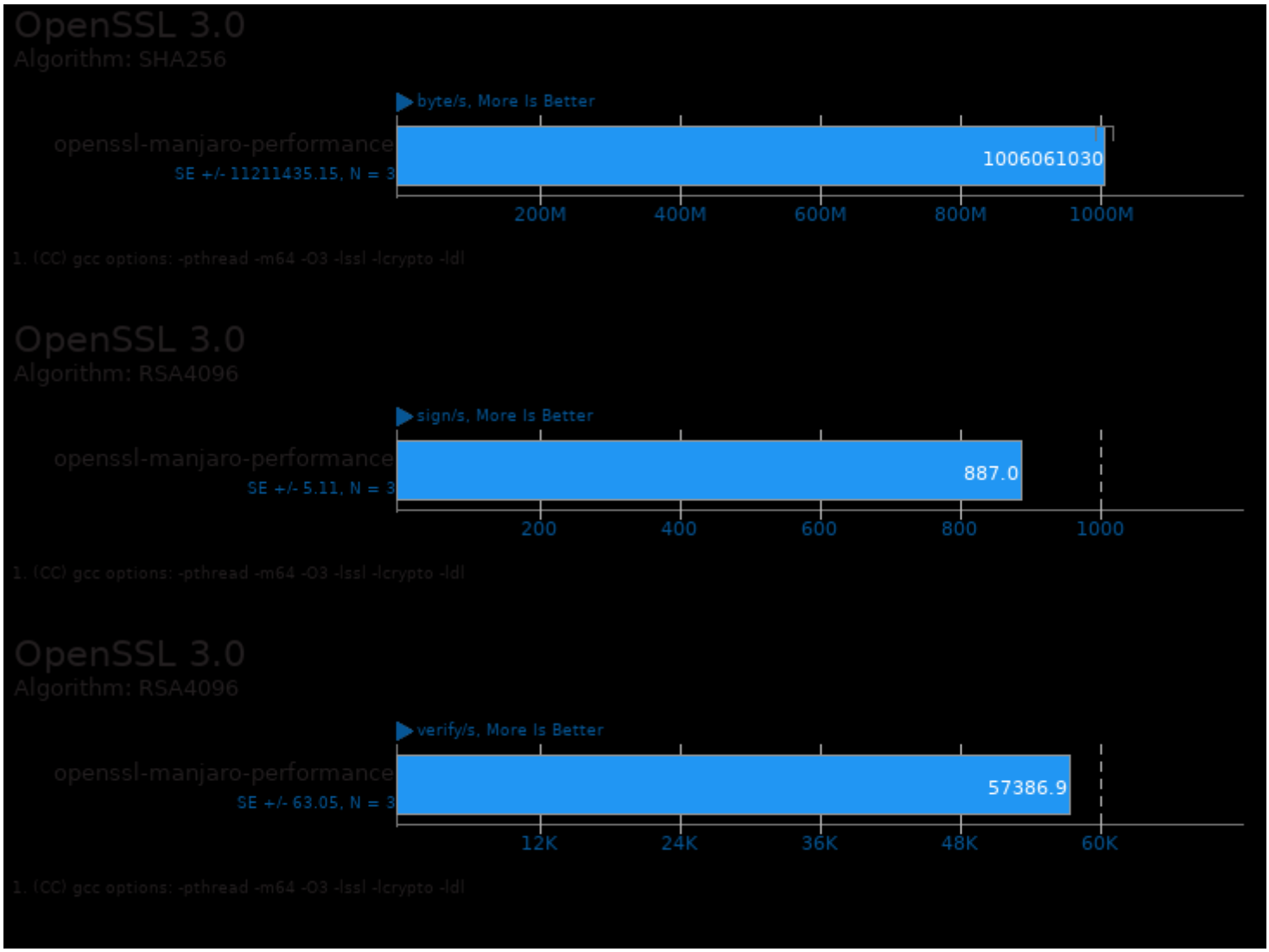
OS: ManjaroLinux 21.1.5, Kernel: 5.4.150-1-MANJARO (x86_64), Desktop: MATE 1.26.0, Display Server: X Server 1.20.13, OpenGL: 4.6 Mesa 21.2.3, Compiler: GCC 11.1.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0xea
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of

openssl-manjaro-performance

Clear buffers; SMT vulnerable + 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: conditional RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

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OpenSSL - SHA256 (byte/s)	1006061030
Standard Deviation	1.9%
OpenSSL - RSA4096 (sign/s)	887.0
Standard Deviation	1%
OpenSSL - RSA4096 (verify/s)	57387
Standard Deviation	0.2%



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