X11PRUEBA

Intel Core i5-8350U testing with a LENOVO 20L7002CUS (N22ET82W 1.59 BIOS) and Intel UHD 620 on Arch Linux via the Phoronix Test Suite.
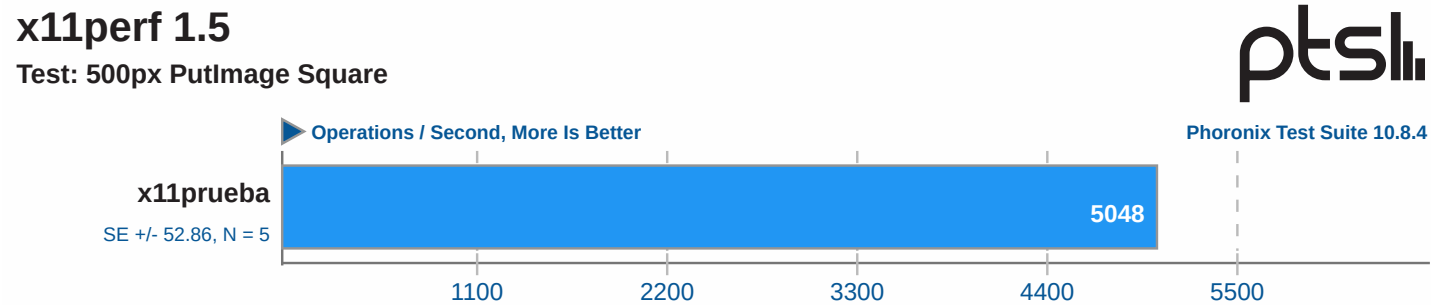
x11prueba

Processor: Intel Core i5-8350U @ 3.60GHz (4 Cores / 8 Threads), **Motherboard:** LENOVO 20L7002CUS (N22ET82W 1.59 BIOS), **Chipset:** Intel Xeon E3-1200 v6/7th, **Memory:** 16GB, **Disk:** SK hynix PC611 NVMe 512GB + 0GB SD/MMC, **Graphics:** Intel UHD 620, **Audio:** Realtek ALC257, **Network:** Intel I219-LM + Intel 8265 / 8275

OS: Arch Linux, **Kernel:** 6.16.2-arch1-1 (x86_64), Display **Server:** X Server 1.21.1.18, **OpenGL:** 4.6 Mesa 25.2.1-arch1.1, **Compiler:** GCC 15.2.1 20250813, **File-System:** ext4, Screen **Resolution:** 1920x1080

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-werror --enable-__cxa_atexit --enable-bootstrap --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-languages=ada,c,c++,d,fortran,go,lto,m2,objc,obj-c++,rust,cobol --enable-libstdcxx-backtrace --enable-link-serialization=1 --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-build-config=bootstrap-lto --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xf6
Graphics Notes: SNA
Security Notes: gather_data_sampling: Mitigation of Microcode + ghostwrite: Not affected + indirect_target_selection: Not affected + itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + old_microcode: Not affected + reg_file_data_sampling: Not affected + retbleed: Mitigation of IBRS + spec_rstack_overflow: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of IBRS; IBPB: conditional; STIBP: conditional; RSB filling; PBRSB-eIBRS: Not affected; BHI: Not affected + srbds: Mitigation of Microcode + tsa: Not affected + tsx_async_abort: Mitigation of TSX disabled
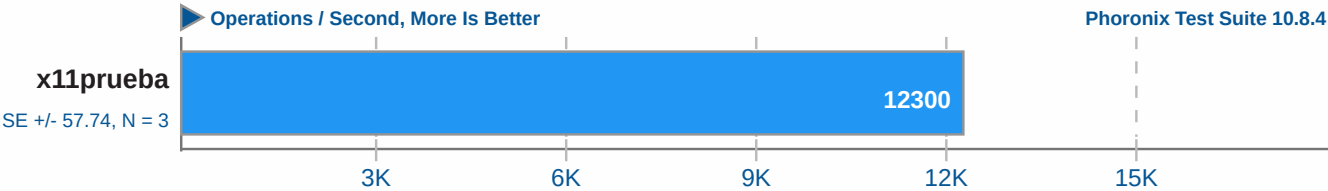
x11perf

x11perf is a very basic performance/regression test for X.Org.

x11perf 1.5

Test: 500px PutImage Square

▶ **Operations / Second, More Is Better**   Phoronix Test Suite 10.8.4

x11prueba
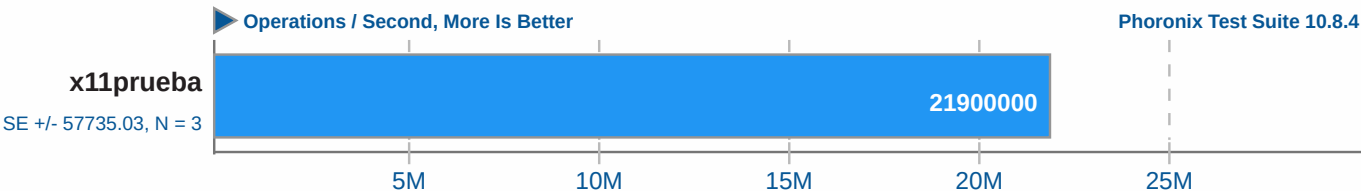SE +/- 52.86, N = 5

5048

1100   2200   3300   4400   5500

1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5
Test: Scrolling 500 x 500 px

▶ **Operations / Second, More Is Better**   **Phoronix Test Suite 10.8.4**

x11prueba
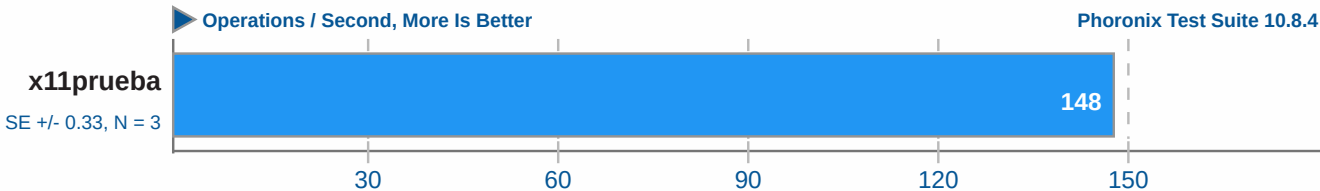SE +/- 57.74, N = 3

12300

| 3K | 6K | 9K | 12K | 15K |

1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5
Test: Char in 80-char aa line

▶ **Operations / Second, More Is Better**   **Phoronix Test Suite 10.8.4**

x11prueba
SE +/- 57735.03, N = 3

21900000

| 5M | 10M | 15M | 20M | 25M |

1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5
Test: PutImage XY 500x500 Square

▶ **Operations / Second, More Is Better**   **Phoronix Test Suite 10.8.4**

x11prueba
SE +/- 0.33, N = 3

148

| 30 | 60 | 90 | 120 | 150 |

1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5
Test: Fill 300 x 300px AA Trapezoid

ptsh.

Operations / Second, More Is Better   **Phoronix Test Suite 10.8.4**

x11prueba

SE +/- 3771.24, N = 9

457667

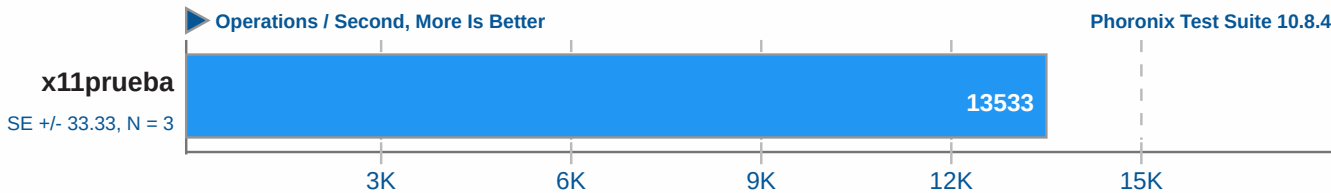| 100K | 200K | 300K | 400K | 500K |
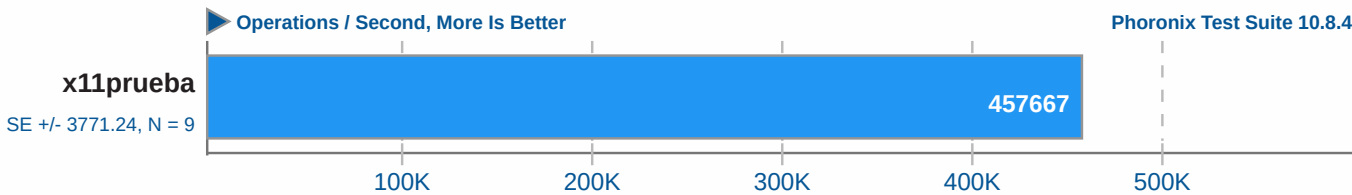
1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5
Test: 500px Copy From Window To Window

ptsh.

Operations / Second, More Is Better   **Phoronix Test Suite 10.8.4**

x11prueba

SE +/- 33.33, N = 3

13533

| 3K | 6K | 9K | 12K | 15K |

1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5
Test: Copy 500x500 From Pixmap To Pixmap
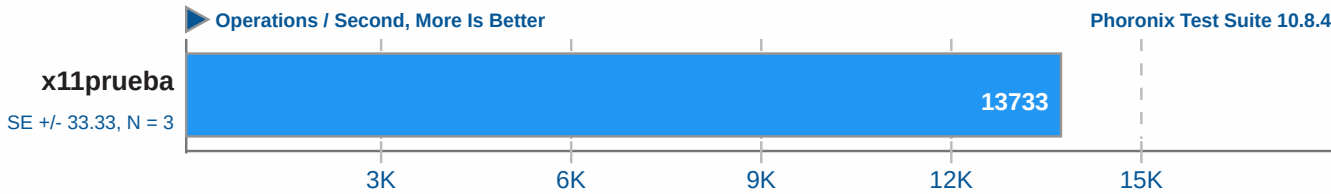
ptsh.

Operations / Second, More Is Better   **Phoronix Test Suite 10.8.4**

x11prueba

SE +/- 33.33, N = 3

13733

| 3K | 6K | 9K | 12K | 15K |

1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5

Test: 500px Compositing From Pixmap To Window
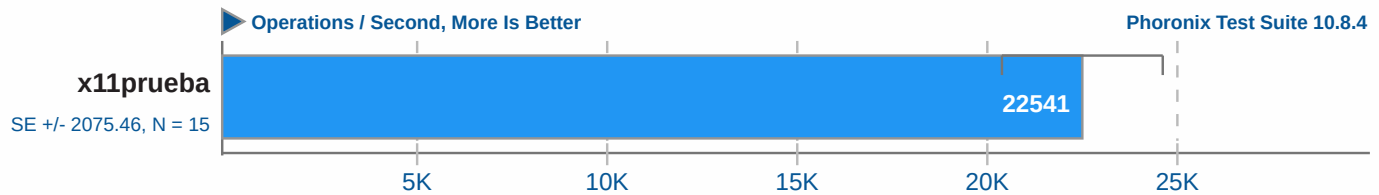
ptsl.

▶ **Operations / Second, More Is Better**   **Phoronix Test Suite 10.8.4**

x11prueba
SE +/- 2075.46, N = 15

22541

| 5K | 10K | 15K | 20K | 25K |

1. (CC) gcc options: -pthread -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf 1.5

Test: 500px Compositing From Window To Window

ptsl.

▶ **Operations / Second, More Is Better**   **Phoronix Test Suite 10.8.4**

x11prueba
SE +/- 152.75, N = 3

25500

| 5K | 10K | 15K | 20K | 25K |
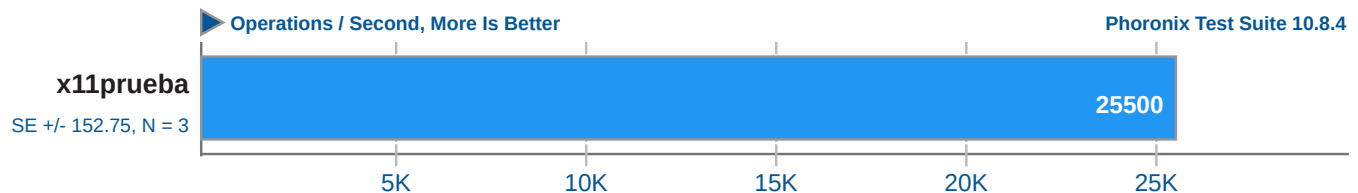
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Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xf6
Graphics Notes: SNA
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Testing initiated at 23 August 2025 23:11 by user Fernando.

Phoronix Test Suite 10.8.4 - Generated 23 August 2025 23:50:35