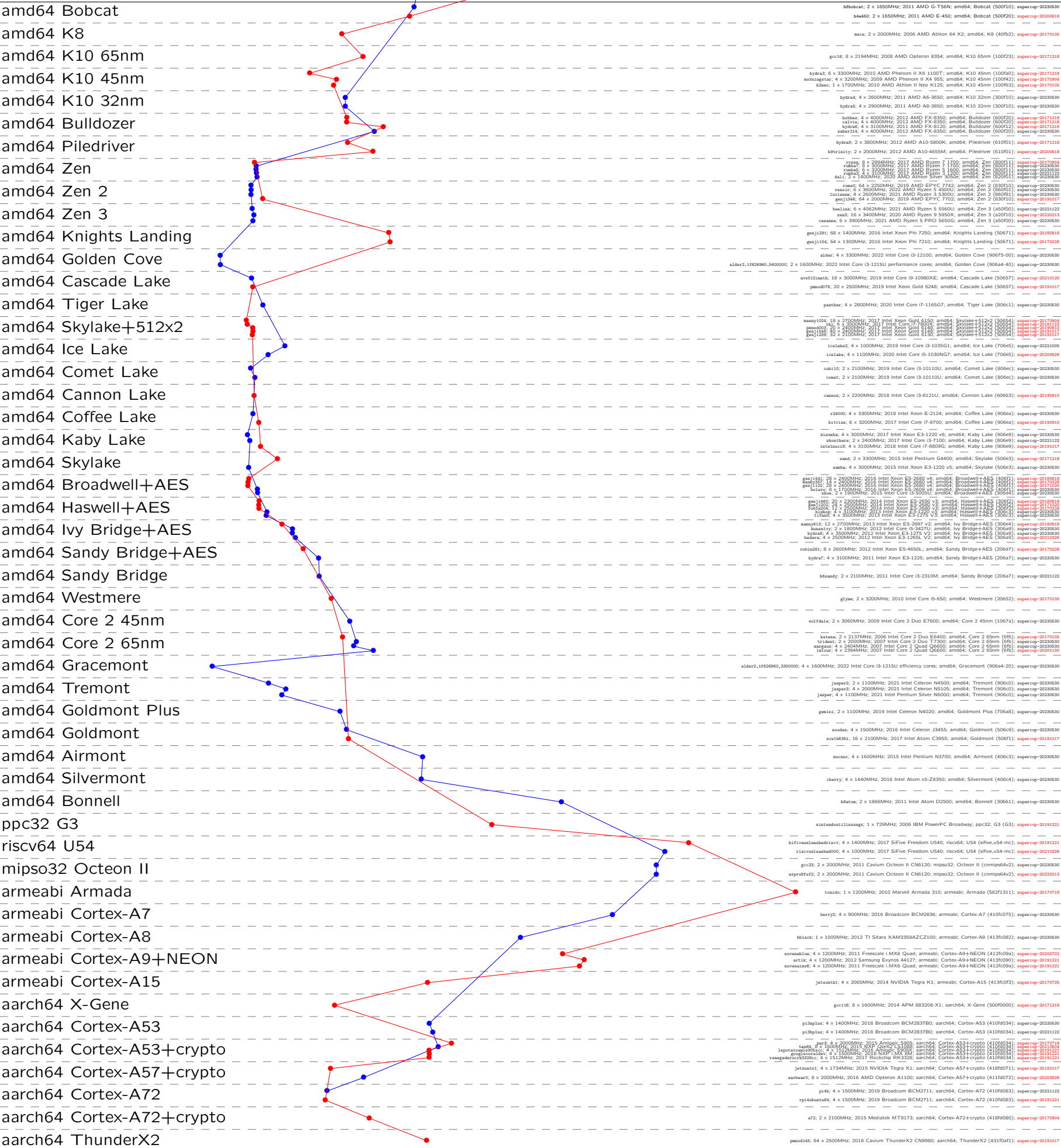


crypto_aead
aes256otrsv2
implementations

https://bench.cr.yp.to
20230702



bBobcat: 2 x 1650MHz; 2011 AMD G-T56n; amd64; Bobcat (500F10); supercomp-20230630
b4e50: 2 x 1650MHz; 2011 AMD E-450; amd64; Bobcat (500F20); supercomp-20200618
naca: 2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40fB2); supercomp-201710105
gcc16: 8 x 2194MHz; 2008 AMD Opteron 8354; amd64; K10 65nm (100F23); supercomp-20171218
hydra3: 6 x 3300MHz; 2010 AMD Phenom II X6 1100T; amd64; K10 45nm (100F40); supercomp-20171218
sonnigstar: 4 x 3200MHz; 2009 AMD Phenom II X4 955; amd64; K10 45nm (100F42); supercomp-20170904
h3aw: 1 x 1700MHz; 2010 AMD Athlon II Neo K125; amd64; K10 45nm (100F63); supercomp-20171218
hydra4: 4 x 2600MHz; 2011 AMD A6-3650; amd64; K10 32nm (300F10); supercomp-20230630
hydra5: 4 x 2900MHz; 2011 AMD A8-3850; amd64; K10 32nm (300F10); supercomp-20230630
bobcat: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20); supercomp-20171218
calvin: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20); supercomp-20171218
hydra4: 4 x 3100MHz; 2011 AMD FX-8120; amd64; Bulldozer (600P12); supercomp-20171218
sawer216: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600P20); supercomp-20230630
hydra9: 2 x 3800MHz; 2012 AMD A10-5800K; amd64; Piledriver (610F11); supercomp-20171218
h3priarty: 2 x 2000MHz; 2012 AMD A10-6655M; amd64; Piledriver (610F11); supercomp-20200618
r3eas: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercomp-20170865
r3eas: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercomp-20211222
r3eas: 4 x 3100MHz; 2017 AMD Ryzen 5 1600; amd64; Zen (800H11); supercomp-20211222
r3eas: 4 x 3100MHz; 2017 AMD Ryzen 5 1600; amd64; Zen (800H11); supercomp-20211222
dall: 2 x 1800MHz; 2010 AMD Athlon 5850; amd64; Bulldozer (600P20); supercomp-20171218
r3eas: 64 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10); supercomp-20230630
r3eas: 6 x 3000MHz; 2022 AMD Ryzen 5 4500U; amd64; Zen 2 (860H11); supercomp-20230630
lactance: 4 x 2600MHz; 2020 AMD Ryzen 9 5900X; amd64; Zen 3 (620F11); supercomp-20230630
gaw1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercomp-20191017
bealins: 6 x 4062MHz; 2021 AMD Ryzen 5 5600G; amd64; Zen 3 (a50F00); supercomp-20211222
saw: 16 x 3400MHz; 2020 AMD Ryzen 9 5900X; amd64; Zen 3 (620F11); supercomp-20230630
cezanne: 6 x 3900MHz; 2021 AMD Ryzen 5 PRO 5650G; amd64; Zen 3 (a50F00); supercomp-20230630
gaw1291: 68 x 1400MHz; 2016 Intel Xeon Phi 7250; amd64; Knights Landing (50671); supercomp-20180818
gaw1154: 64 x 1300MHz; 2016 Intel Xeon Phi 7210; amd64; Knights Landing (50671); supercomp-20170228
alder: 4 x 3300MHz; 2022 Intel Core i3-12100; amd64; Golden Cove (90673-00); supercomp-20230630
alder2.1f62690.5600000: 2 x 1600MHz; 2022 Intel Core i3-1215U performance cores; amd64; Golden Cove (906A4-40); supercomp-20230630
avx512iaah: 18 x 3000MHz; 2019 Intel Core i9-10980XE; amd64; Cascade Lake (50657); supercomp-20210126
jemo476: 20 x 2500MHz; 2019 Intel Xeon Gold 6248; amd64; Cascade Lake (50657); supercomp-20191017
panther: 4 x 2800MHz; 2020 Intel Core i7-1165G7; amd64; Tiger Lake (806c1); supercomp-20230630
sandy1024: 18 x 2700MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (506c1); supercomp-20170865
sandy1024: 8 x 2500MHz; 2017 Intel Core i7-7700; amd64; Skylake (506c1); supercomp-20171218
sandy1024: 8 x 2500MHz; 2017 Intel Core i7-7700; amd64; Skylake (506c1); supercomp-20211222
gaw1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercomp-20191017
gaw1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercomp-20211222
icelake2: 4 x 1000MHz; 2019 Intel Core i3-1035G1; amd64; Ice Lake (706e5); supercomp-20221005
icelake: 4 x 1100MHz; 2020 Intel Core i5-1030NG7; amd64; Ice Lake (706e5); supercomp-20200626
cubio: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercomp-20230630
cove: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercomp-20230630
cannon: 2 x 2200MHz; 2018 Intel Core i3-8121U; amd64; Cannon Lake (90663); supercomp-20190910
r3000: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; Coffee Lake (906a3); supercomp-20230630
bitvise: 6 x 3200MHz; 2017 Intel Core i7-8700; amd64; Coffee Lake (906a3); supercomp-20190910
kizamba: 4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; Kaby Lake (906e9); supercomp-20230630
shoshara: 2 x 2400MHz; 2017 Intel Core i3-7100; amd64; Kaby Lake (906e9); supercomp-20211222
instalauc1: 4 x 3100MHz; 2018 Intel Core i7-8809G; amd64; Kaby Lake (906e9); supercomp-20191017
sant: 2 x 3300MHz; 2015 Intel Pentium G4400; amd64; Skylake (506c3); supercomp-20171218
saba: 4 x 3000MHz; 2015 Intel Xeon E3-1220 v5; amd64; Skylake (506c3); supercomp-20230630
gaw1141: 28 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercomp-20180818
Banyan1: 18 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercomp-20170228
Banyan1: 18 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercomp-20211222
Banyan1: 18 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; Broadwell+AES (406f1); supercomp-20230630
bolsh: 18 x 1700MHz; 2015 Intel Xeon E3-1225L; amd64; Haswell+AES (306d4); supercomp-20230630
sant: 4 x 1900MHz; 2015 Intel Core i3-5005G1; amd64; Broadwell+AES (506d4); supercomp-20230630
gaw1145: 20 x 2300MHz; 2014 Intel Xeon E5-2680 v3; amd64; Haswell+AES (306d4); supercomp-20190910
Intel Xeon E5-2680 v3; amd64; Haswell+AES (306d4); supercomp-20211222
Intel Xeon E5-2680 v3; amd64; Haswell+AES (306d4); supercomp-20230630
l346: 4 x 3100MHz; 2017 Intel Core i3-7700 v2; amd64; Haswell+AES (306d4); supercomp-20230630
l346: 4 x 3100MHz; 2017 Intel Core i3-7700 v2; amd64; Haswell+AES (306d4); supercomp-20230630
l346: 4 x 3100MHz; 2017 Intel Core i3-7700 v2; amd64; Haswell+AES (306d4); supercomp-20230630
sandy613: 12 x 2700MHz; 2013 Intel Xeon E5-2697 v2; amd64; Ivy Bridge+AES (306d4); supercomp-20180818
banyan1: 2 x 1800MHz; 2012 Intel Xeon E5-3427U; amd64; Ivy Bridge+AES (306d9); supercomp-20230630
hydra6: 4 x 3500MHz; 2012 Intel Xeon E3-1275 V2; amd64; Ivy Bridge+AES (306d9); supercomp-20230630
bedera: 4 x 2500MHz; 2012 Intel Xeon E3-1265L V2; amd64; Ivy Bridge+AES (306d9); supercomp-20210326
robia281: 8 x 2600MHz; 2012 Intel Xeon E5-4650L; amd64; Sandy Bridge+AES (206d7); supercomp-20170228
hydra7: 4 x 3100MHz; 2011 Intel Xeon E3-1225; amd64; Sandy Bridge+AES (206a7); supercomp-20230630
h3sandy: 2 x 2100MHz; 2011 Intel Core i3-2310M; amd64; Sandy Bridge (206a7); supercomp-20221122
g3ysw: 2 x 3200MHz; 2010 Intel Core i5-650; amd64; Westmere (20652); supercomp-201710105
voirdale: 2 x 3060MHz; 2009 Intel Core 2 Duo E7600; amd64; Core 2 45nm (1067a); supercomp-20230630
kataka: 2 x 2137MHz; 2006 Intel Core 2 Duo E6400; amd64; Core 2 65nm (66f); supercomp-201710105
trslant: 2 x 2000MHz; 2007 Intel Core 2 Duo T7300; amd64; Core 2 65nm (66f); supercomp-20230630
nargat: 4 x 2404MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (66f); supercomp-20230630
latur: 4 x 2394MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (66f); supercomp-20201130
alder2.1f62690.3300000: 4 x 1600MHz; 2022 Intel Core i3-1215U efficiency cores; amd64; Gracemont (906A4-20); supercomp-20230630
jasper2: 2 x 1100MHz; 2021 Intel Celeron N4500; amd64; Tremont (906c0); supercomp-20230630
jasper3: 4 x 2000MHz; 2021 Intel Celeron N5105; amd64; Tremont (906c0); supercomp-20230630
jasper: 4 x 1100MHz; 2021 Intel Pentium Silver N6000; amd64; Tremont (906c0); supercomp-20230630
gemini: 2 x 1100MHz; 2019 Intel Celeron N4020; amd64; Goldmont Plus (706a8); supercomp-20230630
wooden: 4 x 1500MHz; 2016 Intel Celeron J3455; amd64; Goldmont (506c9); supercomp-20230630
soviM8h1: 16 x 2100MHz; 2017 Intel Atom C3955; amd64; Goldmont (506f1); supercomp-20191017
m3ccc: 4 x 1600MHz; 2015 Intel Pentium N3700; amd64; Airmont (406c3); supercomp-20230630
cherry: 4 x 1440MHz; 2016 Intel Atom i5-Z8350; amd64; Silvermont (406a4); supercomp-20230630
b3atos: 2 x 1866MHz; 2011 Intel Atom D2500; amd64; Bonnell (306f1); supercomp-20230630
alntendosilluaxng: 1 x 729MHz; 2006 IBM PowerPC Broadway; ppc32; G3 (G3); supercomp-20191221
h3ifvunleashbedricv: 4 x 1400MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc); supercomp-20191221
riscvunleash4000: 4 x 1000MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc); supercomp-20210326
gcc23: 2 x 2000MHz; 2011 Cavium Octeon II CN6120; mipso32; Octeon II (cmnips64v2); supercomp-20230630
grrpoffaz2: 2 x 2000MHz; 2011 Cavium Octeon II CN6120; mipso32; Octeon II (cmnips64v2); supercomp-20220213
teside: 1 x 1200MHz; 2010 Marvell Armada 310; armeabi; Armada (562f311); supercomp-20170718
berry2: 4 x 900MHz; 2016 Broadcom BCM2836; armeabi; Cortex-A7 (410f075); supercomp-20230630
b3lack: 1 x 1000MHz; 2012 TI Sitara XAM3359AZC12100; armeabi; Cortex-A8 (413fc082); supercomp-20230630
novealins: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412f09a); supercomp-20200702
artix: 4 x 1200MHz; 2012 Samsung Exynos 44127; armeabi; Cortex-A9+NEON (413f090); supercomp-20191221
novealins: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412f09a); supercomp-20191221
j3tsostai: 4 x 2065MHz; 2014 NVIDIA Tegra K1; armeabi; Cortex-A15 (413fc0f3); supercomp-20170728
gcc116: 8 x 1600MHz; 2014 APM 88320B-X1; aarch64; X-Gene (500F000); supercomp-20171218
p3h3apl: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410f094); supercomp-20230630
p3h3apl: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; Cortex-A53 (410f094); supercomp-20221122
saw: 4 x 1600MHz; 2015 ARM Cortex-A53; aarch64; Cortex-A53+crypto (410f094); supercomp-201710105
lepton1000: 4 x 1500MHz; 2015 ARM Cortex-A53; aarch64; Cortex-A53+crypto (410f094); supercomp-201710105
goglacrasia: 4 x 1500MHz; 2015 NXP i.MX 8M; aarch64; Cortex-A53+crypto (410f094); supercomp-20191221
reagadeck8300c: 4 x 1812MHz; 2017 Rockchip RK3398; aarch64; Cortex-A53+crypto (410f094); supercomp-20230630
j3tsostai: 4 x 1734MHz; 2015 NVIDIA Tegra X1; aarch64; Cortex-A57+crypto (418f071); supercomp-20191017
varbear: 8 x 2000MHz; 2016 AMD Opteron A1100; aarch64; Cortex-A57+crypto (411f072); supercomp-20200626
p34h: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercomp-20221122
rpi4bun64: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercomp-20191221
a7: 2 x 2100MHz; 2015 Mediatek MT8173; aarch64; Cortex-A72+crypto (418f080); supercomp-20190904
jemo445: 64 x 2500MHz; 2018 Cavium ThunderX2 CN9980; aarch64; ThunderX2 (431f0af1); supercomp-20191017