

crypto_aead
omdsha256k128n96tau128v1
implementations

amd64 Zen3
amd64 Zen2
amd64 Zen
amd64 KnLanding
amd64 CascadeLake
amd64 SL+512x2
amd64 IceLake
amd64 CometLake
amd64 CannonLake
amd64 CoffeeLake
amd64 KabyLake
amd64 Skylake
amd64 BW+AES
amd64 HW+AES
amd64 IB+AES
amd64 SB+AES
amd64 Sandy Bridge
amd64 Piledriver
amd64 Bulldozer
amd64 Westmere
amd64 C2 65nm
amd64 K10 32nm
amd64 K10 45nm
amd64 K10 65nm
amd64 Airmont
amd64 Goldmont
amd64 K8
amd64 Bobcat
amd64 Atom
ppc32 G3
riscv64 U54
mips32 Oction II
armeabi Armada
armeabi Cortex-A7
armeabi Cortex-A8
armeabi Cortex-A9+NEON
armeabi Cortex-A15
aarch64 X-Gen
aarch64 A53
aarch64 A53+crypto
aarch64 A57+crypto
aarch64 A72
aarch64 A72+crypto
aarch64 ThunderX2

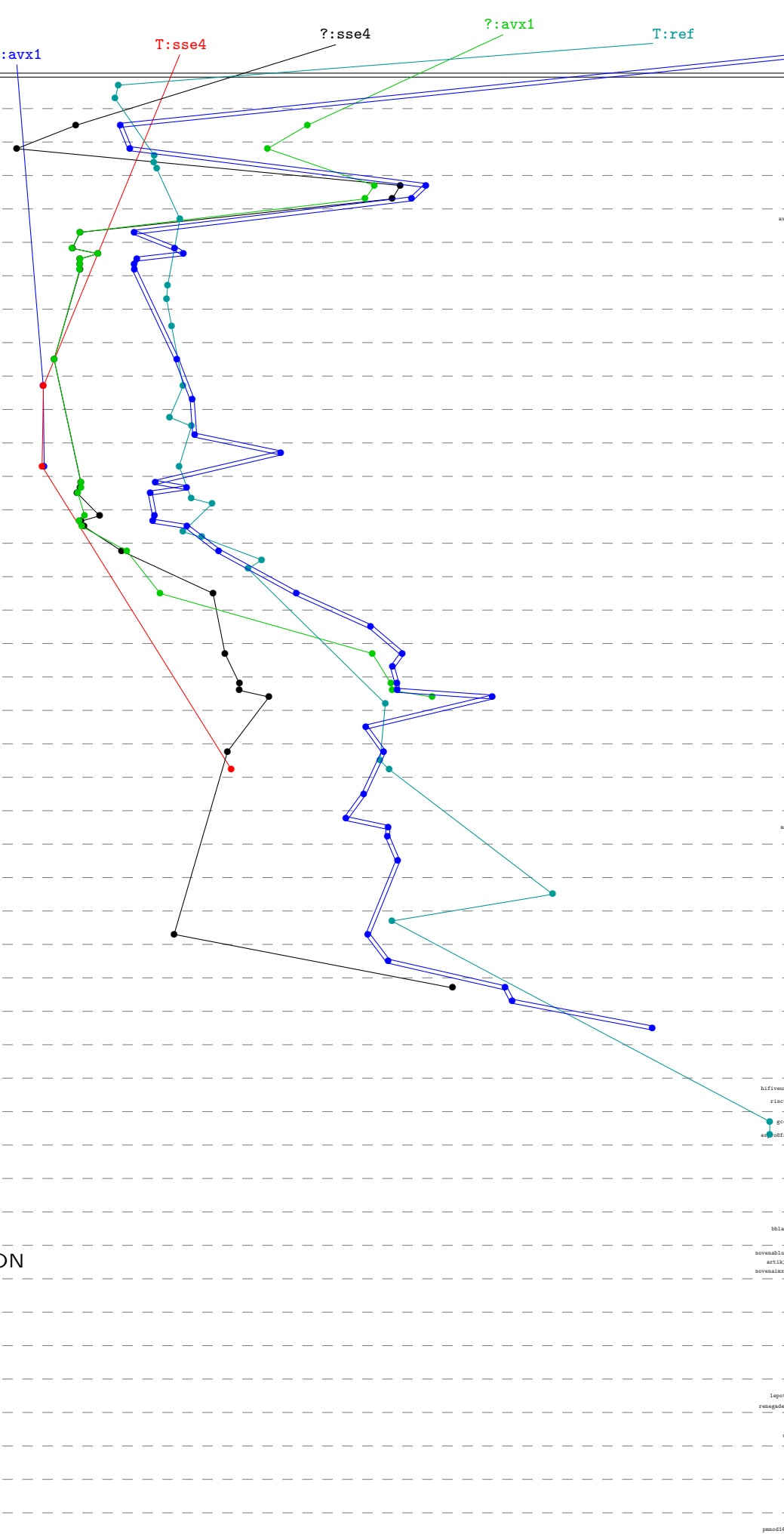


Table of processor specifications and benchmark results. Each row corresponds to a processor model and includes details such as frequency, architecture, and a reference link to a benchmark report.

Processor	Frequency	Architecture	Reference
beelink	6 x 4062MHz	2021 AMD Ryzen 5 5600U; amd64; Zen3 (a50f00);	supercep-20221122
zen3	16 x 3400MHz	2020 AMD Ryzen 9 5950X; amd64; Zen3 (a20f10);	supercep-20220213
gej1346	64 x 2000MHz	2019 AMD EPYC 7702; amd64; Zen2 (830f10);	supercep-20191017
ryzen	8 x 2994MHz	2017 AMD Ryzen 7 1700; amd64; Zen (800f11);	supercep-20170904
ruab7	8 x 3000MHz	2017 AMD Ryzen 7 1700; amd64; Zen (800f11);	supercep-20220606
ruab6	6 x 3200MHz	2017 AMD Ryzen 5 1600; amd64; Zen (800f11);	supercep-20220606
ruab3	4 x 3100MHz	2017 AMD Ryzen 3 1200; amd64; Zen (800f11);	supercep-20220906
gej1291	68 x 1400MHz	2016 Intel Xeon Phi 7250; amd64; KnLanding (50671);	supercep-20180818
gej1154	64 x 1300MHz	2016 Intel Xeon Phi 7210; amd64; KnLanding (50671);	supercep-20170228
avx512aath	18 x 3000MHz	2019 Intel Core i9-10900XE; amd64; CascadeLake (50657);	supercep-20210126
pmo0876	20 x 2500MHz	2019 Intel Xeon Gold 6248; amd64; CascadeLake (50657);	supercep-20191017
aaay1024	18 x 2700MHz	2017 Intel Xeon Gold 6150; amd64; SL+512x2 (50654);	supercep-20170804
ph1	6 x 3500MHz	2017 Intel Core i7-7800X; amd64; SL+512x2 (50654);	supercep-20181123
pmo0307	14 x 2400MHz	2018 Intel Xeon Gold 6148; amd64; BW+AES (50651);	supercep-20170228
gej1122	28 x 2400MHz	2015 Intel Xeon E5-2600 v4; amd64; BW+AES (50641);	supercep-20171120
bea4b8	8 x 1100MHz	2015 Intel Core i5-5200U; amd64; BW+AES (50641);	supercep-20221122
bea4b8	8 x 1100MHz	2015 Intel Core i5-5200U v2; amd64; BW+AES (50641);	supercep-20221122
pmo1462	20 x 2700MHz	2018 Intel Xeon E5-2650 v4; amd64; HW+AES (30627);	supercep-20180818
gej1202	24 x 2500MHz	2014 Intel Xeon E5-2680 v3; amd64; HW+AES (30627);	supercep-20171020
ruab12	12 x 2500MHz	2014 Intel Xeon E5-2680 v3; amd64; HW+AES (30627);	supercep-20170228
ts1aa0	4 x 3500MHz	2013 Intel Xeon E3-1275 v3; amd64; HW+AES (30623);	supercep-20221122
ts1abp	4 x 3100MHz	2013 Intel Xeon E3-1220 v3; amd64; HW+AES (30623);	supercep-20221122
maay131	12 x 2700MHz	2013 Intel Xeon E5-2697 v2; amd64; IB+AES (30644);	supercep-20180818
hydra8	4 x 3500MHz	2012 Intel Xeon E3-1275 V2; amd64; IB+AES (30649);	supercep-20221122
bedera	4 x 2500MHz	2012 Intel Xeon E3-1265L V2; amd64; IB+AES (30649);	supercep-20210326
robi281	8 x 2600MHz	2012 Intel Xeon E5-4650L; amd64; SB+AES (20647);	supercep-20170228
hfaandy	2 x 2100MHz	2011 Intel Core i3-2310M; amd64; Sandy Bridge (20647);	supercep-20200618
hydra9	2 x 3800MHz	2012 AMD A10-5800K; amd64; Piledriver (610f01);	supercep-20171218
lbt1a12y	2 x 2000MHz	2012 AMD A10-4655M; amd64; Piledriver (610f01);	supercep-20200618
babbar	4 x 4000MHz	2012 AMD FX-8350; amd64; Bulldozer (600f20);	supercep-20171218
calvin	4 x 4000MHz	2012 AMD FX-8350; amd64; Bulldozer (600f20);	supercep-20171218
hydra7	4 x 3100MHz	2011 AMD FX-8120; amd64; Bulldozer (600f20);	supercep-20171218
abdr14	4 x 4000MHz	2012 AMD FX-8350; amd64; Bulldozer (600f20);	supercep-20220606
glywa	2 x 3300MHz	2010 Intel Core i5-650; amd64; Westmere (20652);	supercep-20210105
katana	2 x 2137MHz	2006 Intel Core 2 Duo E6400; amd64; C2 65nm (6f6);	supercep-20170105
nargus	4 x 2404MHz	2007 Intel Core 2 Quad Q6600; amd64; C2 65nm (6f6);	supercep-20221122
latour	4 x 2394MHz	2007 Intel Core 2 Quad Q6600; amd64; C2 65nm (6f6);	supercep-20201130
hydra5	4 x 2900MHz	2011 AMD A8-3850; amd64; K10 32nm (300f10);	supercep-20191221
hydra6	6 x 3300MHz	2010 AMD Phenom II X6 1100T; amd64; K10 45nm (100f50);	supercep-20171218
worstagtar	4 x 3200MHz	2009 AMD Phenom II X4 955; amd64; K10 45nm (100f42);	supercep-20170904
h3wo	1 x 1700MHz	2010 AMD Athlon II Neo K125; amd64; K10 45nm (100f63);	supercep-20170105
gcc16	8 x 2194MHz	2008 AMD Opteron 8354; amd64; K10 65nm (100f23);	supercep-20171218
mcacc	4 x 1600MHz	2015 Intel Pentium N3700; amd64; Airmont (406c3);	supercep-20221122
voodea	4 x 1500MHz	2016 Intel Celeron J3455; amd64; Goldmont (506c9);	supercep-20221122
scv1M3n1	16 x 2100MHz	2017 Intel Atom C3955; amd64; Goldmont (506f1);	supercep-20191017
asac	2 x 2000MHz	2006 AMD Athlon 64 X2; amd64; K8 (40fb2);	supercep-20170105
bBobcat	2 x 1650MHz	2011 AMD G-T56M; amd64; Bobcat (500f10);	supercep-20171218
h4e80	2 x 1650MHz	2011 AMD E-450; amd64; Bobcat (500f20);	supercep-20200618
hlatoa	2 x 1866MHz	2011 Intel Atom D2500; amd64; Atom (306f1);	supercep-20200618
nintendovillainzgs	1 x 729MHz	2006 IBM PowerPC Broadway; ppc32; G3 (G3);	supercep-20191221
hifiveuaashadriacv	4 x 1400MHz	2017 SiFive Freedom U540; riscv64; U54 (sfive,u54-mc);	supercep-20191221
riscvuaashad800	4 x 1000MHz	2017 SiFive Freedom U540; riscv64; U54 (sfive,u54-mc);	supercep-20210326
gcc23	2 x 2000MHz	2011 Cavium Oction II CN6120; mips32; Oction II (cmnips64v2);	supercep-20221122
erf0bfr2	2 x 2000MHz	2011 Cavium Oction II CN6120; mips32; Oction II (cmnips64v2);	supercep-20220213
tonido	1 x 1200MHz	2010 Marvell Armada 310; armeabi; Armada (562f1311);	supercep-20170718
berry2	4 x 900MHz	2016 Broadcom BCM2836; armeabi; Cortex-A7 (410fc075);	supercep-20221122
tblad	1 x 1000MHz	2012 TI Sitara XAM3359AZCZ100; armeabi; Cortex-A8 (413fc082);	supercep-20221005
noveabla	4 x 1200MHz	2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a);	supercep-20200702
artix	4 x 1200MHz	2012 Samsung Exynos 44127; armeabi; Cortex-A9+NEON (413fc090);	supercep-20191221
noveablaa6	4 x 1200MHz	2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a);	supercep-20191221
jetsonati	4 x 2065MHz	2014 NVIDIA Tegra K1; armeabi; Cortex-A15 (413fc0f3);	supercep-20170725
gcc16	8 x 1600MHz	2014 APM 88320B-X1; aarch64; X-Gen (500f0000);	supercep-20171218
pi3aplus	4 x 1400MHz	2018 Broadcom BCM2837B0; aarch64; A53 (410f034);	supercep-20221122
pi3plus	4 x 1400MHz	2018 Broadcom BCM2837B0; aarch64; A53 (410f034);	supercep-20221122
par3	4 x 2000MHz	2015 Amlogic S905; aarch64; A53+crypto (410f034);	supercep-20170718
tsa6a	8 x 1600MHz	2015 NXP QorIQ LS1088; aarch64; A53+crypto (410f034);	supercep-20210604
leptonasip88cc	4 x 1312MHz	2016 Amlogic S900X; aarch64; A53+crypto (410f034);	supercep-20191221
rogaccara1aw	4 x 1500MHz	2018 NXP i.MX 8M; aarch64; A53+crypto (410f034);	supercep-20191221
rengadefrc888cc	4 x 1312MHz	2016 Amlogic S900X; aarch64; A53+crypto (410f034);	supercep-20191221
jetsonati	4 x 1734MHz	2015 NVIDIA Tegra X1; aarch64; A57+crypto (418f071);	supercep-20191017
warbaar	8 x 2000MHz	2016 AMD Opteron A1100; aarch64; A57+crypto (411f072);	supercep-20200606
pi4b	4 x 1500MHz	2019 Broadcom BCM2711; aarch64; A72 (410f083);	supercep-20221122
pi4abstus64	4 x 1500MHz	2019 Broadcom BCM2711; aarch64; A72 (410f083);	supercep-20191221
a7	2 x 2100MHz	2015 Mediatek MT8173; aarch64; A72+crypto (418f080);	supercep-20170904
pmo4146	64 x 2500MHz	2018 Cavium ThunderX2 CN9980; aarch64; ThunderX2 (431f0af1);	supercep-20191017