

crypto_aead
omdsha256k256n248tau256v1
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

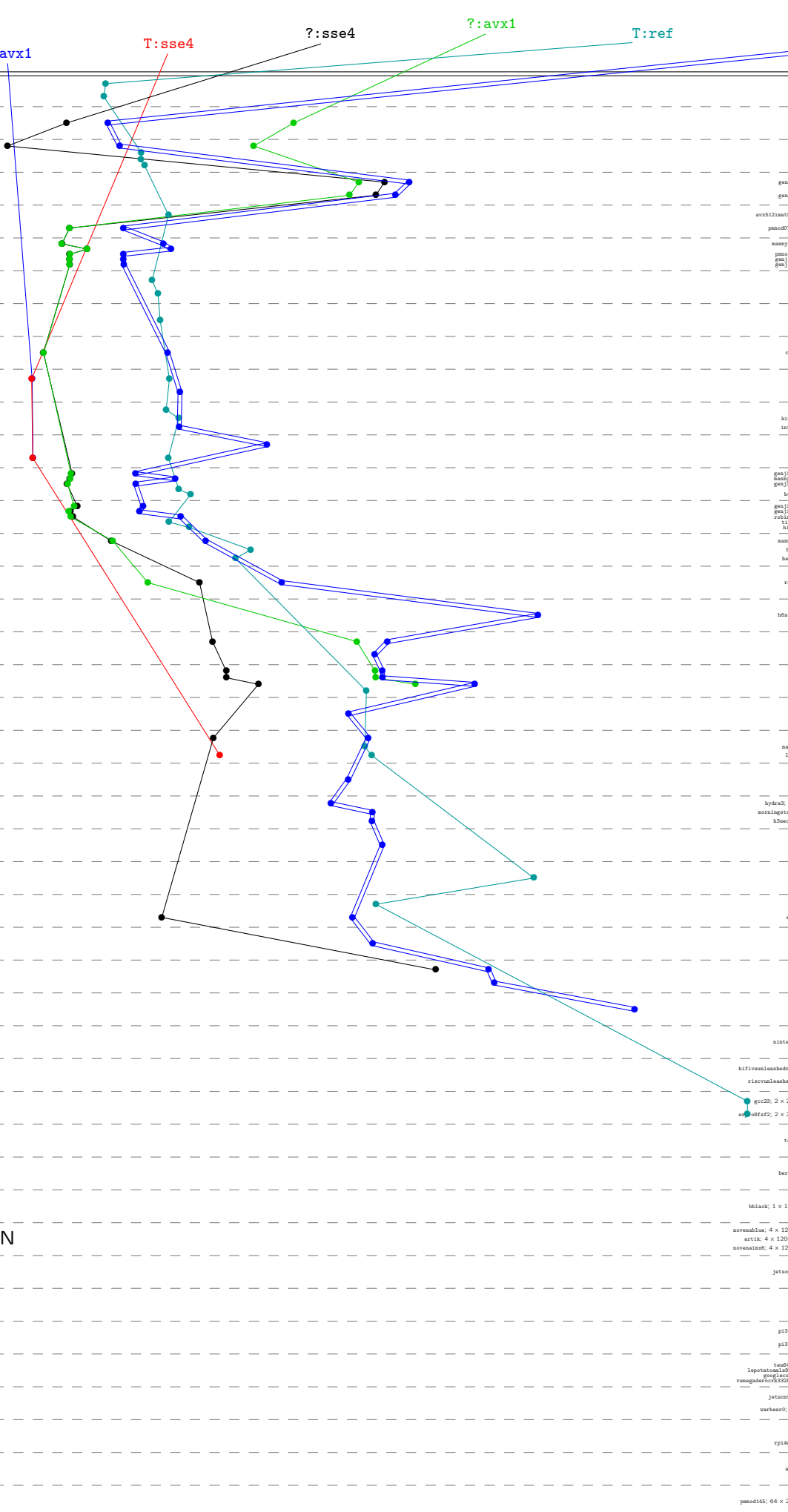


Table of processor specifications and benchmark scores. Each row corresponds to a processor model and includes details such as core count, frequency, and specific benchmark scores for different configurations.

Processor	Core Count	Frequency	Year	Architecture	Score
beelink	6 x 4062MHz	2021	AMD Ryzen 5 5600U	amd64; Zen3 (a50f00); supercop-20221122	
zen3	16 x 3400MHz	2020	AMD Ryzen 9 5950X	amd64; Zen3 (a20f10); supercop-20220213	
gej1346	64 x 2000MHz	2019	AMD EPYC 7702	amd64; Zen2 (830f10); supercop-20191017	
ryzen	8 x 2994MHz	2017	AMD Ryzen 7 1700	amd64; Zen (800f11); supercop-20170904	
ruab7	8 x 3000MHz	2017	AMD Ryzen 7 1700	amd64; Zen (800f11); supercop-20220606	
ruab6	6 x 3200MHz	2017	AMD Ryzen 5 1600	amd64; Zen (800f11); supercop-20220606	
ruab3	4 x 3100MHz	2017	AMD Ryzen 3 1200	amd64; Zen (800f11); supercop-20220906	
gej1291	68 x 1400MHz	2016	Intel Xeon Phi 7250	amd64; KnLanding (50671); supercop-20180818	
gej1154	64 x 1300MHz	2016	Intel Xeon Phi 7210	amd64; KnLanding (50671); supercop-20170228	
avx512iaah	18 x 3000MHz	2019	Intel Core i9-10980XE	amd64; CascadeLake (50657); supercop-20210126	
pmo0876	20 x 2500MHz	2019	Intel Xeon Gold 6248	amd64; CascadeLake (50657); supercop-20191017	
aaay1024	18 x 2700MHz	2017	Intel Xeon Gold 6150	amd64; SL+512x2 (50654); supercop-20170804	
ph1	6 x 3500MHz	2017	Intel Core i7-7800X	amd64; SL+512x2 (50654); supercop-20181123	
pmo0307	14 x 2400MHz	2018	Intel Xeon Gold 6148	amd64; BW+AES (50654); supercop-20170228	
gej1122	28 x 2400MHz	2015	Intel Xeon E5-2680 v4	amd64; BW+AES (50654); supercop-20171120	
beelink	8 x 1100MHz	2015	Intel Core i5-5200U	amd64; BW+AES (50654); supercop-20221122	
beelink	8 x 1100MHz	2015	Intel Core i5-5200U	amd64; BW+AES (50654); supercop-20221122	
pmo1462	20 x 2700MHz	2018	Intel Xeon E5-2650 v5	amd64; HW+AES (30627); supercop-20180818	
gej1202	24 x 2500MHz	2014	Intel Xeon E5-2680 v3	amd64; HW+AES (30627); supercop-20171020	
ruab12	12 x 2500MHz	2014	Intel Xeon E5-2680 v3	amd64; HW+AES (30627); supercop-20221122	
ts1ad	4 x 3500MHz	2013	Intel Xeon E3-1275 V3	amd64; HW+AES (30627); supercop-20221122	
h3arp	4 x 3100MHz	2013	Intel Xeon E3-1220 v3	amd64; HW+AES (30627); supercop-20221122	
maayg11	12 x 2700MHz	2013	Intel Xeon E5-2697 v2	amd64; IB+AES (30649); supercop-20180818	
hydra8	4 x 3500MHz	2012	Intel Xeon E3-1275 V2	amd64; IB+AES (30649); supercop-20221122	
bedera	4 x 2500MHz	2012	Intel Xeon E3-1265L V2	amd64; IB+AES (30649); supercop-20210326	
robin281	8 x 2600MHz	2012	Intel Xeon E5-4650L	amd64; SB+AES (20647); supercop-20170228	
h6aady	2 x 2100MHz	2011	Intel Core i3-2310M	amd64; Sandy Bridge (20647); supercop-20200618	
hydra9	2 x 3800MHz	2012	AMD A10-5800K	amd64; Piledriver (610f01); supercop-20171218	
h3ria12y	2 x 2000MHz	2012	AMD A10-4655M	amd64; Piledriver (610f01); supercop-20200618	
baboon	4 x 4000MHz	2012	AMD FX-8350	amd64; Bulldozer (600f20); supercop-20171218	
calvin	4 x 4000MHz	2012	AMD FX-8350	amd64; Bulldozer (600f20); supercop-20171218	
hydra7	4 x 3100MHz	2011	AMD FX-8120	amd64; Bulldozer (600f20); supercop-20171218	
abur216	4 x 4000MHz	2012	AMD FX-8350	amd64; Bulldozer (600f20); supercop-20220606	
glyse	2 x 3300MHz	2010	Intel Core i5-650	amd64; Westmere (20652); supercop-20170105	
kataka	2 x 2137MHz	2006	Intel Core 2 Duo E6400	amd64; C2 65nm (6f6); supercop-20170105	
nargus	4 x 2404MHz	2007	Intel Core 2 Quad Q6600	amd64; C2 65nm (6f6); supercop-20221122	
latour	4 x 2394MHz	2007	Intel Core 2 Quad Q6600	amd64; C2 65nm (6f6); supercop-20201130	
hydra5	4 x 2900MHz	2011	AMD A8-3850	amd64; K10 32nm (300f10); supercop-20191221	
hydra6	6 x 3300MHz	2010	AMD Phenom II X6 1100T	amd64; K10 45nm (100f50); supercop-20171218	
westgatar	4 x 3200MHz	2009	AMD Phenom II X4 955	amd64; K10 45nm (100f42); supercop-20170904	
h3wo	1 x 1700MHz	2010	AMD Athlon II Neo K125	amd64; K10 45nm (100f63); supercop-20170105	
gcc16	8 x 2194MHz	2008	AMD Opteron 8354	amd64; K10 65nm (100f23); supercop-20171218	
mcscad	4 x 1600MHz	2015	Intel Pentium N3700	amd64; Airmont (406c3); supercop-20221122	
voodea	4 x 1500MHz	2016	Intel Celeron J3455	amd64; Goldmont (506c9); supercop-20221122	
scv1M3n1	16 x 2100MHz	2017	Intel Atom C3955	amd64; Goldmont (506f1); supercop-20191017	
asac	2 x 2000MHz	2006	AMD Athlon 64 X2	amd64; K8 (40fb2); supercop-20170105	
bBbocac	2 x 1650MHz	2011	AMD G-T56M	amd64; Bobcat (500f10); supercop-20171218	
h4e80	2 x 1650MHz	2011	AMD E-450	amd64; Bobcat (500f20); supercop-20200618	
h3taoa	2 x 1866MHz	2011	Intel Atom D2500	amd64; Atom (306f1); supercop-20200618	
nintendovillainzgs	1 x 729MHz	2006	IBM PowerPC Broadway	ppc32; G3 (G3); supercop-20191221	
hifiveuaashadriacv	4 x 1400MHz	2017	SiFive Freedom U540	riscv64; U54 (sfive,u54-mc); supercop-20191221	
riscvuaashad800	4 x 1000MHz	2017	SiFive Freedom U540	riscv64; U54 (sfive,u54-mc); supercop-20210326	
gcc23	2 x 2000MHz	2011	Cavium Oction II CN6120	mips32; Oction II (cmnips64v2); supercop-20221122	
erf08fzr	2 x 2000MHz	2011	Cavium Oction II CN6120	mips32; Oction II (cmnips64v2); supercop-20220213	
tonido	1 x 1200MHz	2010	Marvell Armada 310	armeabi; Armada (562f1311); supercop-20170718	
berry2	4 x 900MHz	2016	Broadcom BCM2836	armeabi; Cortex-A7 (410fc075); supercop-20221122	
tblad	1 x 1000MHz	2012	TI Sitara XAM3359AZCZ100	armeabi; Cortex-A8 (413fc082); supercop-20221005	
noeeabla	4 x 1200MHz	2011	Freescale i.MX6 Quad	armeabi; Cortex-A9+NEON (412fc09a); supercop-20200702	
artix	4 x 1200MHz	2012	Samsung Exynos 4412	armeabi; Cortex-A9+NEON (413fc090); supercop-20191221	
noeeablaa6	4 x 1200MHz	2011	Freescale i.MX6 Quad	armeabi; Cortex-A9+NEON (412fc09a); supercop-20191221	
jetsonati	4 x 2065MHz	2014	NVIDIA Tegra K1	armeabi; Cortex-A15 (413fc0f3); supercop-20170725	
gcc16	8 x 1600MHz	2014	APM 88320B-X1	aarch64; X-Gen (500f0000); supercop-20171218	
pi3aplus	4 x 1400MHz	2018	Broadcom BCM2837B0	aarch64; A53 (410f034); supercop-20221122	
pi3plus	4 x 1400MHz	2018	Broadcom BCM2837B0	aarch64; A53 (410f034); supercop-20221122	
par3	4 x 2000MHz	2015	Amlogic S905	aarch64; A53+crypto (410f034); supercop-20170718	
tsa6a	8 x 1600MHz	2015	NXP QorIQ LS1088	aarch64; A53+crypto (410f034); supercop-20210604	
1epotatoua8f8cc	4 x 1312MHz	2016	Amlogic S905X	aarch64; A53+crypto (410f034); supercop-20191221	
rogaccara1aw	4 x 1500MHz	2018	NXP i.MX 8M	aarch64; A53+crypto (410f034); supercop-20191221	
rengadefrc838cc	4 x 1312MHz	2016	Amlogic S905X	aarch64; A53+crypto (410f034); supercop-20191221	
jetsonati	4 x 1734MHz	2015	NVIDIA Tegra X1	aarch64; A57+crypto (418f071); supercop-20191017	
warbaar	8 x 2000MHz	2016	AMD Opteron A1100	aarch64; A57+crypto (4116072); supercop-20200606	
pi4b	4 x 1500MHz	2019	Broadcom BCM2711	aarch64; A72 (410f083); supercop-20221122	
pi4abstua64	4 x 1500MHz	2019	Broadcom BCM2711	aarch64; A72 (410f083); supercop-20191221	
a72	2 x 2100MHz	2015	Mediatek MT8173	aarch64; A72+crypto (418f080); supercop-20170904	
pmo0146	64 x 2500MHz	2018	Cavium ThunderX2 CN9980	aarch64; ThunderX2 (431f0af1); supercop-20191017	

Time

131072

262144

524288