



Time 131072 262144 524288

crypto\_aead  
aes128otrsv1  
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-Gene  
aarch64 A53  
aarch64 A53+crypto  
aarch64 A57+crypto  
aarch64 A72  
aarch64 A72+crypto  
aarch64 ThunderX2

bealiak: 6 x 4062MHz; 2021 AMD Ryzen 5 5560U; 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  
rubb7: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800f11); supercop-20220606  
rubb6: 6 x 3200MHz; 2017 AMD Ryzen 5 1600; amd64; Zen (800f11); supercop-20220606  
rubb3: 4 x 3100MHz; 2017 AMD Ryzen 3 1200; amd64; Zen (800f11); supercop-20200906  
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  
pnoo876: 20 x 2500MHz; 2019 Intel Xeon Gold 6248; amd64; CascadeLake (50657); supercop-20191017  
aamy1024: 18 x 2700MHz; 2017 Intel Xeon Gold 6150; amd64; SL+512x2 (50654); supercop-20170804  
pkl: 6 x 3500MHz; 2017 Intel Core i7-7800X; amd64; SL+512x2 (50654); supercop-20181113  
pnoo903: 20 x 2400MHz; 2018 Intel Xeon Gold 6148; amd64; BW+AES (50654); supercop-20191017  
gej1188: 40 x 2400MHz; 2017 Intel Xeon Gold 6148; amd64; SL+512x2 (50654); supercop-20191017  
gej1338: 32 x 2100MHz; 2017 Intel Xeon Gold 6130; amd64; BW+AES (50654); supercop-20221122  
icelake2: 4 x 1000MHz; 2019 Intel Core i3-1035G1; amd64; IceLake (706e5); supercop-20221008  
icelake: 4 x 1100MHz; 2020 Intel Core i5-1030NG7; amd64; IceLake (706e5); supercop-20200826  
coast: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; CometLake (806e); supercop-20221026  
cannon: 2 x 2200MHz; 2018 Intel Core i3-8121U; amd64; CannonLake (60663); supercop-20190910  
r2400: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; CoffeeLake (906ea); supercop-20221019  
bitvis: 6 x 3200MHz; 2017 Intel Core i7-8700; amd64; CoffeeLake (906ea); supercop-20190910  
shorthera: 2 x 2400MHz; 2017 Intel Core i3-7100; amd64; KabyLake (806e9); supercop-20221122  
kisaoba: 4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; KabyLake (906e9); supercop-20220606  
intelasci8: 4 x 3100MHz; 2018 Intel Core i7-8809G; amd64; KabyLake (906e9); supercop-20191017  
saad: 2 x 3300MHz; 2015 Intel Pentium G4400; amd64; Skylake (506e3); supercop-20171218  
saaba: 4 x 3000MHz; 2015 Intel Xeon E3-1220 v5; amd64; Skylake (506e3); supercop-20221122  
gej1441: 28 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; BW+AES (406f1); supercop-20180818  
aamy087: 14 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; BW+AES (406f1); supercop-20170228  
gej1122: 28 x 2400MHz; 2016 Intel Xeon E5-2680 v4; amd64; BW+AES (406f1); supercop-20171020  
beaef8: 8 x 1300MHz; 2015 Intel Core i3-5005U; amd64; BW+AES (406f1); supercop-20221122  
beaef8: 8 x 1100MHz; 2015 Intel Core i3-5005U v4; amd64; BW+AES (406f1); supercop-20221122  
gej1462: 20 x 2300MHz; 2014 Intel Xeon E5-2650 v3; amd64; HW+AES (30627); supercop-20180818  
gej1202: 24 x 2500MHz; 2014 Intel Xeon E5-2680 v3; amd64; HW+AES (30627); supercop-20171020  
rubb124: 12 x 2500MHz; 2014 Intel Xeon E5-2680 v3; amd64; HW+AES (30627); supercop-20221122  
tisaad: 4 x 3500MHz; 2013 Intel Xeon E3-1275 V2; amd64; HW+AES (306c3); supercop-20221122  
lubb9: 4 x 3100MHz; 2013 Intel Xeon E3-1220 v5; amd64; HW+AES (306c3); supercop-20221122  
aamy611: 12 x 2700MHz; 2013 Intel Xeon E5-2697 v2; amd64; IB+AES (306c4); supercop-20180818  
hydra8: 4 x 3500MHz; 2012 Intel Xeon E3-1275 V2; amd64; IB+AES (306a9); supercop-20221122  
bedera: 4 x 2500MHz; 2012 Intel Xeon E3-1265L V2; amd64; IB+AES (306a9); supercop-20210326  
robia281: 8 x 2600MHz; 2012 Intel Xeon E5-4650L; amd64; SB+AES (206d7); supercop-20170228  
hfaandy: 2 x 2100MHz; 2011 Intel Core i3-2310M; amd64; Sandy Bridge (206a7); supercop-20200618  
hydra9: 2 x 3800MHz; 2012 AMD A10-5800K; amd64; Piledriver (610f01); supercop-20171218  
lbtriaity: 2 x 2000MHz; 2012 AMD A10-4655M; amd64; Piledriver (610f01); supercop-20200618  
babooa: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600f20); supercop-20171218  
calvius: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600f20); supercop-20171218  
hydra6: 4 x 3100MHz; 2011 AMD FX-8120; amd64; Bulldozer (600f12); supercop-20171218  
saber216: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600f20); supercop-20220606  
glywa: 2 x 3200MHz; 2010 Intel Core i5-650; amd64; Westmere (20652); supercop-20170105  
katana: 2 x 2137MHz; 2006 Intel Core 2 Duo E6400; amd64; C2 65nm (6f6); supercop-20170105  
nargaux: 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  
worsigstar: 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  
mucaco: 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  
scv1M3b1: 16 x 2100MHz; 2017 Intel Atom C3955; amd64; Goldmont (506f1); supercop-20191017  
sack: 2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40fb2); supercop-20170105  
bBbocaa: 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  
hbltaa: 2 x 1866MHz; 2011 Intel Atom D2500; amd64; Atom (306f1); supercop-20200618  
nintendo111nuzg3: 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  
egpoffafz2: 2 x 2000MHz; 2011 Cavium Oction II CN6120; mips32; Oction II (cmnips64v2); supercop-20220213  
tonido: 1 x 1200MHz; 2010 Marvel 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 XAM3359AZC2100; armeabi; Cortex-A8 (413fc082); supercop-20221005  
noveabla: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a); supercop-20200702  
artix: 4 x 1200MHz; 2012 Samsung Exynos 44127; armeabi; Cortex-A9+NEON (413fc090); supercop-20191221  
noveabla6: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412fc09a); supercop-20191221  
jetsontat: 4 x 2065MHz; 2014 NVIDIA Tegra K1; armeabi; Cortex-A15 (413fc0f3); supercop-20170725  
gcc116: 8 x 1600MHz; 2014 APM 88320B-X1; aarch64; X-Gene (500f0000); supercop-20171218  
pi3aplu: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; A53 (410f034); supercop-20221122  
pi3aplu: 4 x 1400MHz; 2018 Broadcom BCM2837B0; aarch64; A53 (410f034); supercop-20221122  
par3: 4 x 2000MHz; 2015 Amlogic S905; aarch64; A53+crypto (410f034); supercop-20170718  
saa64: 8 x 1600MHz; 2015 NXP QorIQ LS1088; aarch64; A53+crypto (410f034); supercop-20190604  
lepotatouaahadriacv: 4 x 1312MHz; 2016 Amlogic S905X; aarch64; A53+crypto (410f034); supercop-20191221  
rengalaccaridaw: 4 x 1500MHz; 2018 NXP i.MX 8M; aarch64; A53+crypto (410f034); supercop-20191221  
rengalaccaridaw: 4 x 1312MHz; 2017 Rockchip RK3288; aarch64; A53+crypto (410f034); supercop-20191221  
jetsontat: 4 x 1734MHz; 2015 NVIDIA Tegra X1; aarch64; A57+crypto (418f071); supercop-20191017  
warbaar: 8 x 2000MHz; 2016 AMD Opteron A1100; aarch64; A57+crypto (411f072); supercop-20200826  
pi4b: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; A72 (410f083); supercop-20221122  
rpi4buntu64: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; A72 (410f083); supercop-20191221  
a7: 2 x 2100MHz; 2015 Mediatek MT8173; aarch64; A72+crypto (418f080); supercop-20170904  
pnoo146: 64 x 2500MHz; 2018 Cavium ThunderX2 CN980; aarch64; ThunderX2 (431f0af1); supercop-20191017