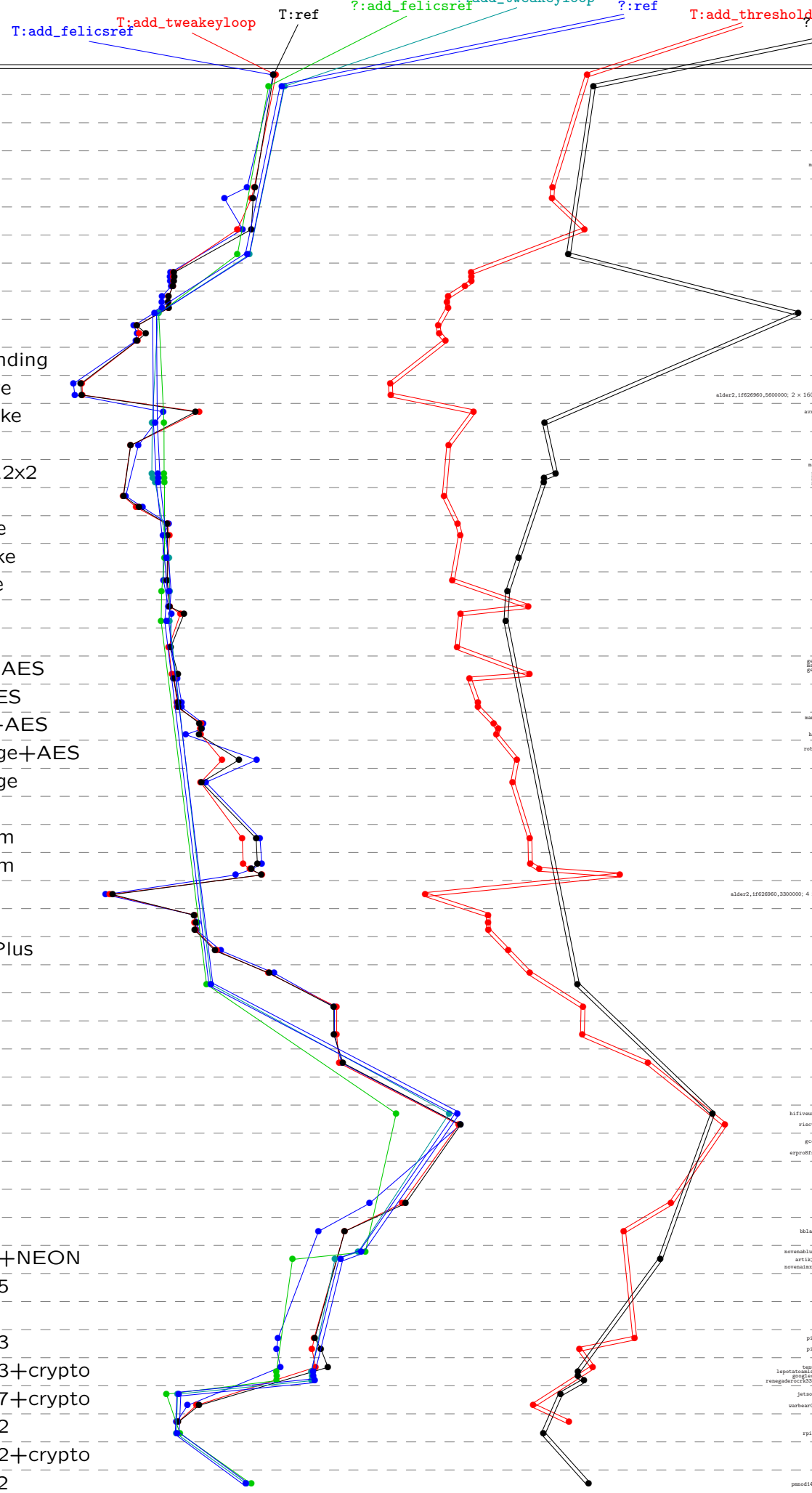


crypto\_aead  
lilliputaeiii192v11  
implementations  
amd64 Bobcat  
amd64 K8  
amd64 K10 65nm  
amd64 K10 45nm  
amd64 K10 32nm  
amd64 Bulldozer  
amd64 Piledriver  
amd64 Zen  
amd64 Zen 2  
amd64 Zen 3  
amd64 Knights Landing  
amd64 Golden Cove  
amd64 Cascade Lake  
amd64 Tiger Lake  
amd64 Skylake+512x2  
amd64 Ice Lake  
amd64 Comet Lake  
amd64 Cannon Lake  
amd64 Coffee Lake  
amd64 Kaby Lake  
amd64 Skylake  
amd64 Broadwell+AES  
amd64 Haswell+AES  
amd64 Ivy Bridge+AES  
amd64 Sandy Bridge+AES  
amd64 Sandy Bridge  
amd64 Westmere  
amd64 Core 2 45nm  
amd64 Core 2 65nm  
amd64 Gracemont  
amd64 Tremont  
amd64 Goldmont Plus  
amd64 Goldmont  
amd64 Airmont  
amd64 Silvermont  
amd64 Bonnell  
ppc32 G3  
riscv64 U54  
mips32 Octeon II  
armeabi Armada  
armeabi Cortex-A7  
armeabi Cortex-A8  
armeabi Cortex-A9+NEON  
armeabi Cortex-A15  
aarch64 X-Gen  
aarch64 Cortex-A53  
aarch64 Cortex-A53+crypto  
aarch64 Cortex-A57+crypto  
aarch64 Cortex-A72  
aarch64 Cortex-A72+crypto  
aarch64 ThunderX2



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

hbbocat: 2 x 1650MHz; 2011 AMD G-T56n; amd64; Bobcat (500F10); supercop-20230630  
h4450: 2 x 1650MHz; 2011 AMD E-450; amd64; Bobcat (500F20); supercop-20200618

naa: 2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40f2); supercop-201710105

gcc16: 8 x 2194MHz; 2008 AMD Opteron 8354; amd64; K10 65nm (100F23); supercop-20171218

hydra3: 6 x 3300MHz; 2010 AMD Phenom II X6 1100T; amd64; K10 45nm (100F40); supercop-20171218  
sonnigstar: 4 x 3200MHz; 2009 AMD Phenom II X4 955; amd64; K10 45nm (100F42); supercop-20170904  
hbae: 1 x 1700MHz; 2010 AMD Athlon II Neo K125; amd64; K10 45nm (100F63); supercop-201710105

hydra4: 4 x 2600MHz; 2011 AMD A6-3650; amd64; K10 32nm (300F10); supercop-20230630  
hydra5: 4 x 2900MHz; 2011 AMD A8-3850; amd64; K10 32nm (300F10); supercop-20230630

bobcat: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercop-20171218  
calista: 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  
sawer15: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercop-20230630

hydra9: 2 x 3000MHz; 2012 AMD A10-5800K; amd64; Piledriver (610F11); supercop-20171218  
fpriority: 2 x 2000MHz; 2012 AMD A10-4655M; amd64; Piledriver (610F11); supercop-20200618

ryzen: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercop-20170855  
ryzen2: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercop-20170855  
ryzen3: 4 x 3000MHz; 2017 AMD Ryzen 3 1300; amd64; Zen (800H11); supercop-20170855  
ryzen4: 4 x 3000MHz; 2017 AMD Ryzen 3 1300; amd64; Zen (800H11); supercop-20170855  
dali: 2 x 1700MHz; 2017 AMD Athlon 5050; amd64; Zen (800H11); supercop-20221122

ryzen7: 8 x 3000MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercop-20170855  
ryzen9: 8 x 3000MHz; 2017 AMD Ryzen 9 3900X; amd64; Zen (800H11); supercop-20170855

ryzen5: 6 x 3000MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10); supercop-20230630  
ryzen7: 6 x 3000MHz; 2022 AMD Ryzen 5 4500U; amd64; Zen 2 (860F01); supercop-20230630  
lactaria: 4 x 2000MHz; 2021 AMD Ryzen 9 5900X; amd64; Zen 3 (620F10); supercop-20230630  
gaw1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercop-20191017

beavlin: 6 x 4062MHz; 2021 AMD Ryzen 5 5600G; amd64; Zen 3 (a50F00); supercop-20211122  
sash: 16 x 3400MHz; 2020 AMD Ryzen 9 5900X; amd64; Zen 3 (620F10); supercop-20220313  
cezanne: 6 x 3900MHz; 2021 AMD Ryzen 5 PRO 5650G; amd64; Zen 3 (a50F00); supercop-20230630

gaw1291: 68 x 1400MHz; 2016 Intel Xeon Phi 7250; amd64; Knights Landing (506711); supercop-20180818  
gaw1154: 64 x 1300MHz; 2016 Intel Xeon Phi 7210; amd64; Knights Landing (506711); supercop-20170228

alder: 4 x 3300MHz; 2022 Intel Core i3-12100; amd64; Golden Cove (90673-00); supercop-20230630  
alder2:1f2e2960,5600000: 2 x 1600MHz; 2022 Intel Core i3-1215U performance cores; amd64; Golden Cove (906A4-40); supercop-20230630

avx121aath: 18 x 3000MHz; 2019 Intel Core i9-10980XE; amd64; Cascade Lake (50657); supercop-20210126  
jemo4076: 20 x 2500MHz; 2019 Intel Xeon Gold 6248; amd64; Cascade Lake (50657); supercop-20191017

panther: 4 x 2800MHz; 2020 Intel Core i7-1165G7; amd64; Tiger Lake (806c1); supercop-20230630

sanjay1024: 18 x 2100MHz; 2017 Intel Xeon Core i3-1035G1; amd64; Ice Lake (706e5); supercop-20221005  
panther2: 8 x 2500MHz; 2020 Intel Core i7-1165G7; amd64; Tiger Lake (806c1); supercop-20230630  
gaw1298: 8 x 2500MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (506c3); supercop-20191017  
gaw1299: 8 x 2500MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (506c3); supercop-20191017  
gaw1299: 8 x 2500MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (506c3); supercop-20191017  
gaw1299: 8 x 2500MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake (506c3); supercop-20191017

icelake2: 4 x 1000MHz; 2019 Intel Core i3-1035G1; amd64; Ice Lake (706e5); supercop-20221005  
icelake: 4 x 1100MHz; 2020 Intel Core i5-1030NG7; amd64; Ice Lake (706e5); supercop-20200626

cubis10: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806c); supercop-20230630  
cove1: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806c); supercop-20230630

canon: 2 x 2200MHz; 2018 Intel Core i3-8121U; amd64; Cannon Lake (90663); supercop-20190910

r3000: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; Coffee Lake (906a); supercop-20230630  
bitvisie: 6 x 3200MHz; 2017 Intel Core i7-8700; amd64; Coffee Lake (906a); supercop-20190910

kabylake: 4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; Kaby Lake (906e9); supercop-20230630  
shouhara: 2 x 2400MHz; 2021 Intel Core i3-12100; amd64; Kaby Lake (906e9); supercop-20221122  
istalaucl1: 4 x 3100MHz; 2018 Intel Core i7-8809G; amd64; Kaby Lake (906e9); supercop-20191017

saad: 2 x 3000MHz; 2015 Intel Pentium G4400; amd64; Skylake (506c3); supercop-20171218  
saaba: 4 x 3000MHz; 2015 Intel Xeon E3-1220 v5; amd64; Skylake (506c3); supercop-20230630

gaw1141: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1142: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1143: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1144: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1145: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1146: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1147: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1148: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1149: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1150: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1151: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1152: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1153: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1154: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1155: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1156: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1157: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1158: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1159: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1160: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1161: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1162: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1163: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1164: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1165: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1166: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1167: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1168: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1169: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1170: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1171: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1172: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1173: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1174: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1175: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1176: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1177: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1178: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1179: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1180: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1181: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1182: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1183: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1184: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1185: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1186: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1187: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1188: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1189: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1190: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1191: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1192: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1193: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1194: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1195: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1196: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1197: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1198: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1199: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818  
gaw1200: 28 x 2400MHz; 2015 Intel Xeon E5-2650 v4; amd64; Broadwell+AES (406f); supercop-20180818