

Table 1: 16-bit Conventional adders

Adder Name	Dynamic power (W)	Static power (W)	Total Power (W)	Delay (ns)	Power delay product (W.ns)	Slice logic	LUT logic
BA	11.019	0.158	11.178	12.196	136.3268	8	26
KA	11.326	0.164	11.326	12.081	136.8294	14	44
LING	9.616	0.135	9.751	14.402	140.4339	8	29
SKA	10.910	0.156	11.066	16.095	177.14157	7	17

Table 2: 32-bit Conventional adders

Adder Name	Dynamic Power (W)	Static power (W)	Total Power (W)	Delay (ns)	Power delay product (W. ns)	Slice logic	LUT logic
BAK	22.527W	0.485W	22.991	22.469	516.584	24	64
KSA	23.553W	0.485W	24.034	17.409	418.407	41	134
LING	22.257W	0.485W	22.742	25.407	577.805	23	55
SKSA	22.259W	0.458W	22.744	24.585	559.161	23	55