

Design	Freq (MHz)	LUTs	Acc. (%)	FPS (K)	FPS/ LUTs
FINN	200	46,253	80.1	22	0.47
FINN	125	365,963	80.1	128	0.35
FINN-R	237	332,637	80.1	105	0.31
FINN-R	300	41,733	80.1	20	0.48
FINN	300	25,431	80.1	1.9	0.07
ReBNet	200	53,200	80.6	6	0.11
Streaming-Arc	210	290,012	80.2	205	0.70
Ours (K-mean)	210	201,434	80.5	205	1.01
Ours (MST)	210	161,294	80.5	205	1.27

HW performance comparison with SOTA designs-Cifar-10.