Due to page limitations, we present the basic simulation parameters and network parameters of the ResNet-18 in Table I, II in this page.

TABLE I

SIMULATION PARAMETERS.

Parameter	Value	Parameter	Value
N	60	f_n	0.5×10^9 cycles/s
q_n	1	f^{S}	15×10^9 cycles/s
q_{s}	3	W	30 MHz
σ_n	10^{-16} W	σ	10^{-16} W
p_n	0.2 W	$P^{\max}$	10 W
κ	2×10^{-28}	B	64

TABLE II

RESNET-18 NETWORK PARAMETERS.

Layer name	Smashed data and smashed data's gradients (KB)	Parameters per block layer	Cumulative parameters	FLOPs per block layer	Cumulative FLOPs
CONV 1	13.21	9,536	9,536	9,895,936	9,895,936
RES 1	13.21	73,984	83520	18956288	28,852,224
RES 2	13.21	73,984	157,504	18,956,288	47,808,512
RES 3	3.30	230,144	387,648	104,737,408	62,545,920
RES 4	3.30	295,424	683,072	18,915,328	81,461,248
RES 5	0.83	919,040	1,602,112	14,708,736	96,169,984
RES 6	0.83	1,180,672	2,782,784	18,894,848	115,064,832
RES 7	0.21	3,673,088	6,455,872	14,694,400	129,759,232
RES 8	0.21	4,720,640	11,176,512	18,884,608	148,643,840
FC	0.052	513,000	11,689,512	512,000	149,155,840