

	Uncompressed dims.			TRN dimensions		
layer	shape	# params	flops	shape of composite tensor	# params	flops
fc1	784×300	235K	470K	$(4 \times 7 \times 4 \times 7) \times (3 \times 4 \times 5 \times 5)$	$39r^2$	$1177r^3 + 1084r^2$
fc2	300×100	30K	60K	$(3 \times 4 \times 5 \times 5) \times (4 \times 5 \times 5)$	$31r^2$	$457r^3 + 400r^2$
fc3	100×10	1K	2K	$(4 \times 5 \times 5) \times (2 \times 5)$	$21r^2$	$127r^3 + 107r^2$
Total	-	266K	532K	-	$91r^2$	$1761r^3 + 1591r^2$