

**System : R750XA A100**  
 CPU : (2) Intel(R) Xeon(R) Gold 6326 CPU @ 2.90GHz  
 Mem : 512GB ((16) 32GB)  
 GPU : (4) NVIDIA A40 NVLink3  
 OS : Ubuntu 20.04  
 Driver : 510.47.03 / CUDA : 11.6  
 NGC Docker : 22.01-tf1-py3  
 Date : 2022-02

model	Batch Size	GPUs			Speed Up Ratio		
		1	2	4	1gpu/1gpu	2gpu/1gpu	4gpu/1gpu
inception4	32	169	329	645	1.0	1.9	3.8
inception4	64	176	348	1161	1.0	2.0	6.6
inception3	32	316	594	1161	1.0	1.9	3.7
inception3	64	324	607	1273	1.0	1.9	3.9
alexnet	32	2241	4288	1921	1.0	1.9	0.9
alexnet	64	3077	6583	3972	1.0	2.1	1.3
resnet50	32	397	773	1476	1.0	1.9	3.7
resnet50	64	439	867	1663	1.0	2.0	3.8
resnet50_v2	32	404	793	1489	1.0	2.0	3.7
resnet50_v2	64	447	883	1715	1.0	2.0	3.8
resnet101	32	240	463	880	1.0	1.9	3.7
resnet101	64	265	519	1002	1.0	2.0	3.8
resnet101_v2	32	244	472	877	1.0	1.9	3.6
resnet101_v2	64	268	526	1040	1.0	2.0	3.9
resnet152	32	168	322	602	1.0	1.9	3.6
resnet152	64	184	355	705	1.0	1.9	3.8
resnet152_v2	32	169	325	623	1.0	1.9	3.7
resnet152_v2	64	185	362	716	1.0	2.0	3.9
vgg16	32	254	466	618	1.0	1.8	2.4
vgg16	64	273	517	900	1.0	1.9	3.3
vgg19	32	220	412	588	1.0	1.9	2.7
vgg19	64	234	455	761	1.0	1.9	3.2
trivial	32	28122	34912	16928	1.0	1.2	0.6
trivial	64	51270	70641	33871	1.0	1.4	0.7