

**GPU:** NVIDIA GeForce RTX 3070

**CPU:** AMD Ryzen 7 5800X 8-Core Processor

**Memory:** 16GB

*All values calculated using CPU only times*

FPS	32 group	64 group	128 group
6 layer model	4,821 FPS	2,501 FPS	1,385 FPS
5 layer model	4,562 FPS	3,040 FPS	1,553 FPS
4 layer model	5,211 FPS	3,190 FPS	1,677 FPS
3 layer model	5,905 FPS	4,401 FPS	2,360 FPS
2 layer model	9,881 FPS	5,554 FPS	2,895 FPS

Accuracy	32 group	64 group	128 group
6 layer model	0.78	0.54	0.80
5 layer model	0.75	0.78	0.75
4 layer model	0.75	0.77	0.78
3 layer model	0.47	0.80	0.73
2 layer model	0.68	0.54	0.38

\*testing data is unseen dataset 00 only (same as Derrick's)

FPS	32 group	64 group	128 group
6 layer model	5,024 FPS	2,934 FPS	1,522 FPS
5 layer model	5,476 FPS	3,172 FPS	1,626 FPS
4 layer model	6,205 FPS	3,854 FPS	1,840 FPS
3 layer model	7,580 FPS	3,868 FPS	2,110 FPS
2 layer model	9,650 FPS	6,757 FPS	3,177 FPS

Accuracy	32 group	64 group	128 group
6 layer model	0.78	0.63	0.75
5 layer model	0.79	0.80	0.77
4 layer model	0.76	0.78	0.78
3 layer model	0.66	0.79	0.75
2 layer model	0.71	0.67	0.46

\*testing data is unseen dataset 00, 05, 12, 13, 20 as per mm-fit dataset