

Table 1: Efficiency comparison. In the table, # Para denotes the number of parameters, TC denotes the time consumption (seconds per epoch), and MU denotes the memory usage on GPUs.

Datasets	Metrics	Informer		Autoformer		Fedformer		DLinear		MICN		TimeNet		LAMEE	
	I, O	100	1000	100	1000	100	1000	100	1000	100	1000	100	1000	100	1000
ELC	# Para	12.88M	24.74M	12.57M	28.46M	17.97M	22.84M	0.11M	11.26M	6.83M	24.87M	150.33M	152.28M	<u>0.67M</u>	<u>20.44M</u>
	TC	32.16	159.81	40.24	255.65	108.97	408.53	<u>18.65</u>	<u>100.26</u>	24.31	108.63	590.41	> 1000	10.32	87.43
	MU	2.57GB	11.45GB	3.48GB	21.82GB	3.01GB	6.79GB	<u>2.19GB</u>	<u>5.71GB</u>	2.15GB	5.19GB	14.01GB	23.51GB	0.89GB	3.51GB
Weather	# Para	11.51M	23.38M	10.73M	22.61M	16.44M	20.89M	0.11M	11.26M	1.59M	12.89M	6.70M	13.31M	<u>0.26M</u>	<u>18.91M</u>
	TC	54.98	197.30	68.95	430.91	121.30	603.24	<u>14.34</u>	<u>36.46</u>	30.80	99.41	106.35	>1000	13.41	26.49
	MU	2.43GB	7.98GB	3.41GB	19.74GB	2.83GB	3.41GB	<u>1.49GB</u>	<u>2.98GB</u>	1.88GB	11.62GB	13.41GB	21.48GB	1.03GB	1.89GB