

Table 1: Method characteristics: training requirements and additional parameters.

<b>Method</b>	<b>Calibration</b>	<b>Training Time</b>	<b>Extra Params</b>	<b>Ort</b>
GPTQ	128 samples	Minutes	None	
AWQ	128 samples	Minutes	Scales only	
SmoothQuant	512 samples	Minutes	Scales only	
OmniQuant	128 samples	Hours	Affine params	
QuaRot	None	None	None	✓
SpinQuant	1024 samples	Hours	$O(n^2)$	✓ (
<b>ButterflyQuant</b>	128 samples	5-10 min	$O(n \log n)$	✓ (