





RNN Attention vs. Self-Attention

Aspect	RNN Attention	Self-Attention
 Source	Query from decoder Keys/Values from encoder	All from the same sequence
 Processing	Sequential processing	Parallel processing
 Relationships	Limited to current step	Captures relationships between all positions
 Complexity	O(n) per step	O(n²) total

⚡ Key Advantage

Self-attention enables parallelization and better long-range dependency modeling