

SX-9 Vector Supercomputer Specifications

	Multi-node	Single-node	
	2 – 512 nodes	1 node	
	SX-9	SX-9/A	SX-9/B
Central Processing Unit (CPU)			
Number of CPUs	32 – 8,192	8-16	4-8
Logical Peak Performance	3.8T – 969.9TFLOPS	947.2G – 1,894.4GFLOPS	473.6G – 947.2GFLOPS
Peak Vector Performance	3.3T – 838.9TFLOPS	819.2G – 1,638.4GFLOPS	409.6G – 819.2GFLOPS
Main Memory Unit (MMU)			
Memory Architecture	Shared and distributed memory	Shared memory	
Capacity	1T – 512TB	512GB, 1TB	256GB, 512GB
Peak Data Transfer Rate	2,048TB/s	4TB/s	2TB/s
Internode Crossbar Switch (IXS)			
Peak Data Transfer Rate	128GB/s bidirectional (per node)	-	