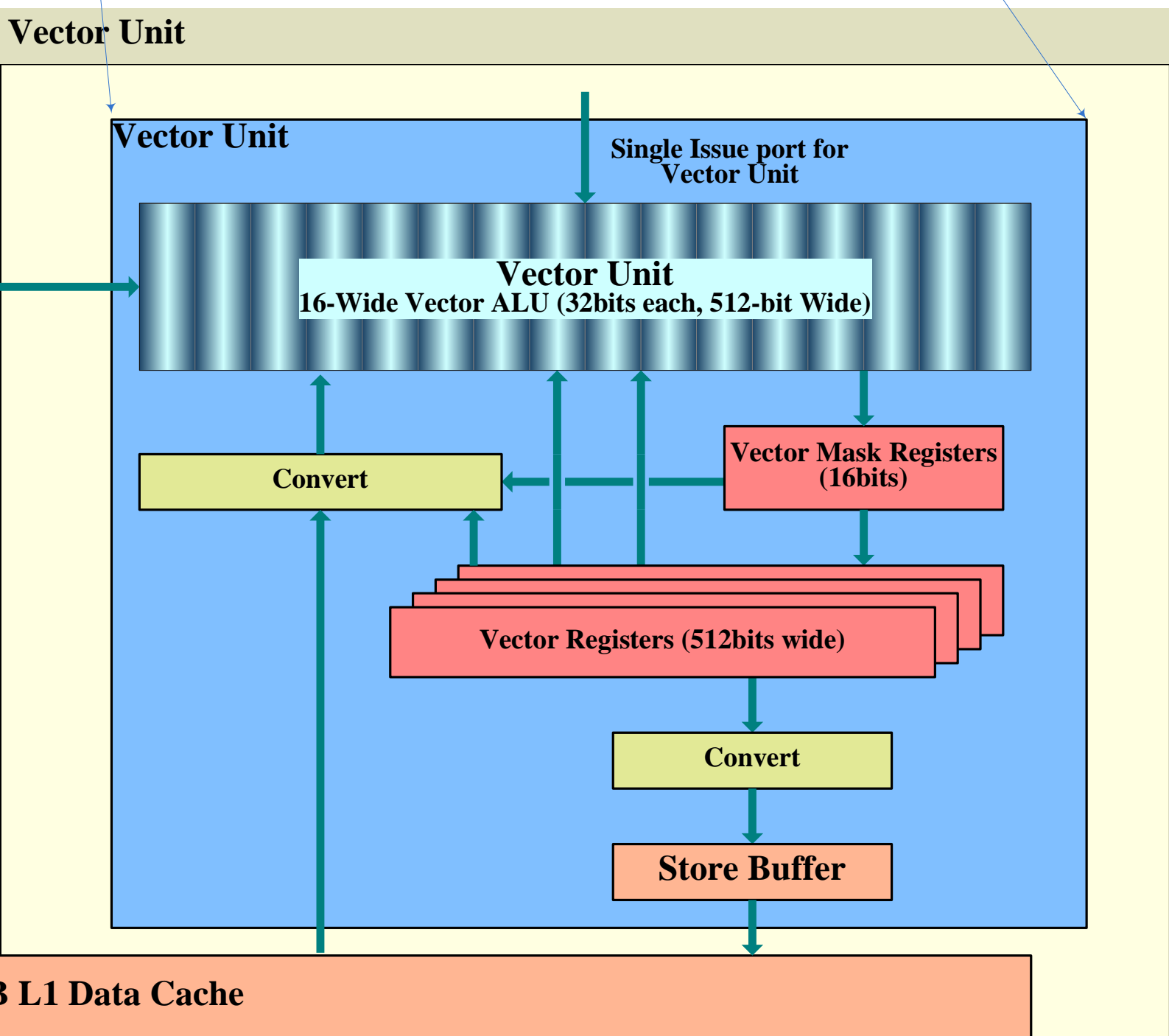
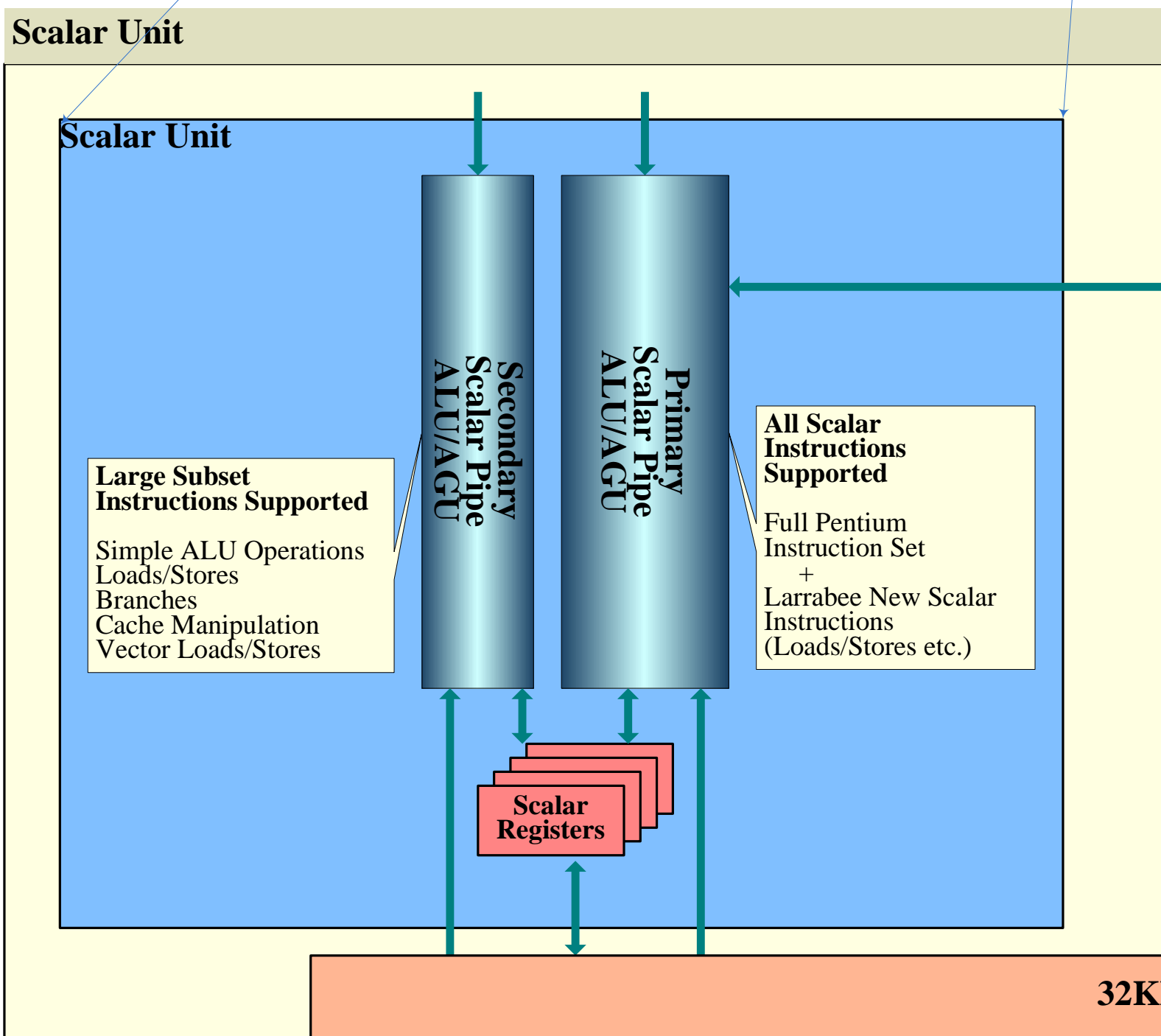
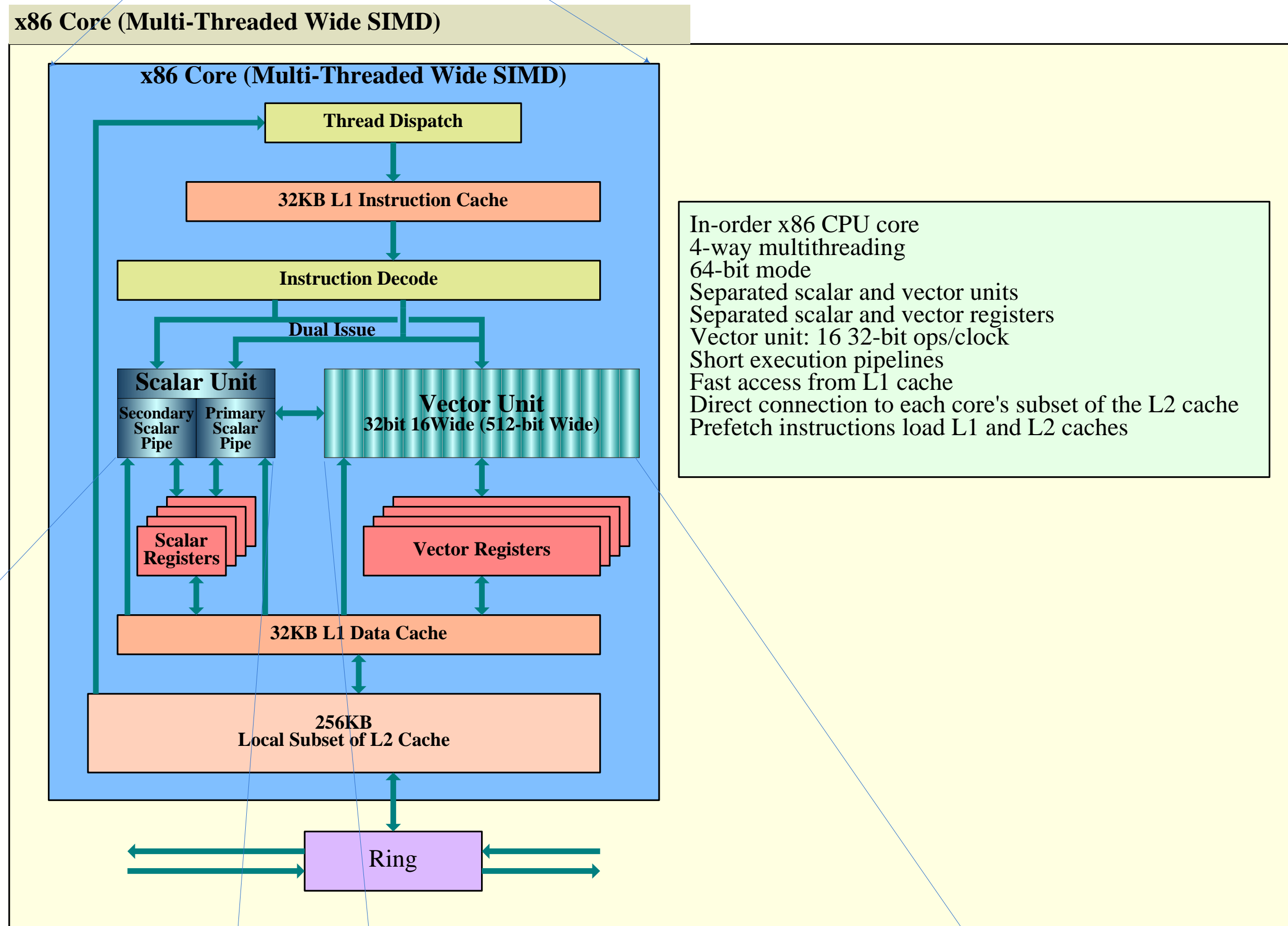
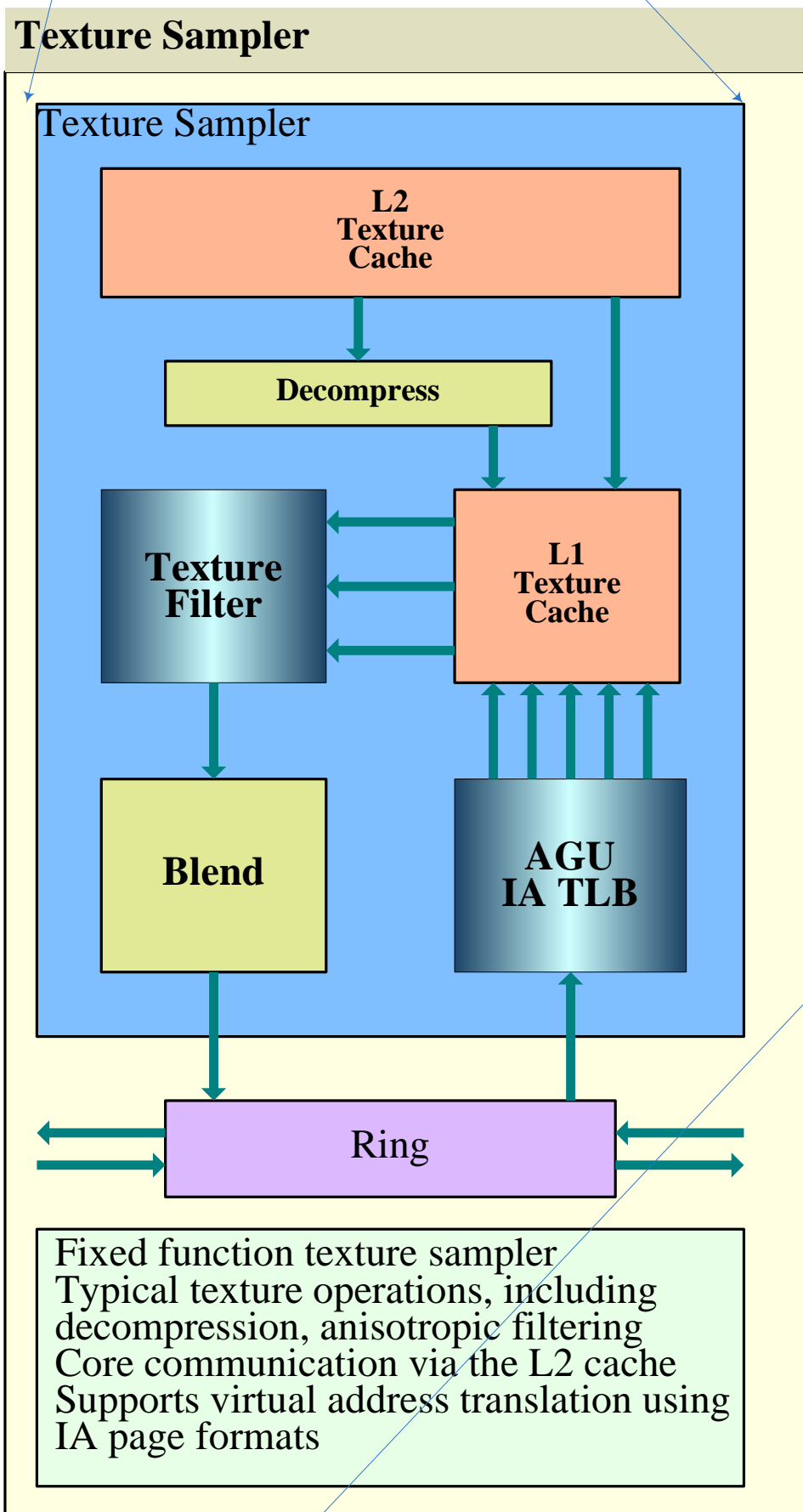
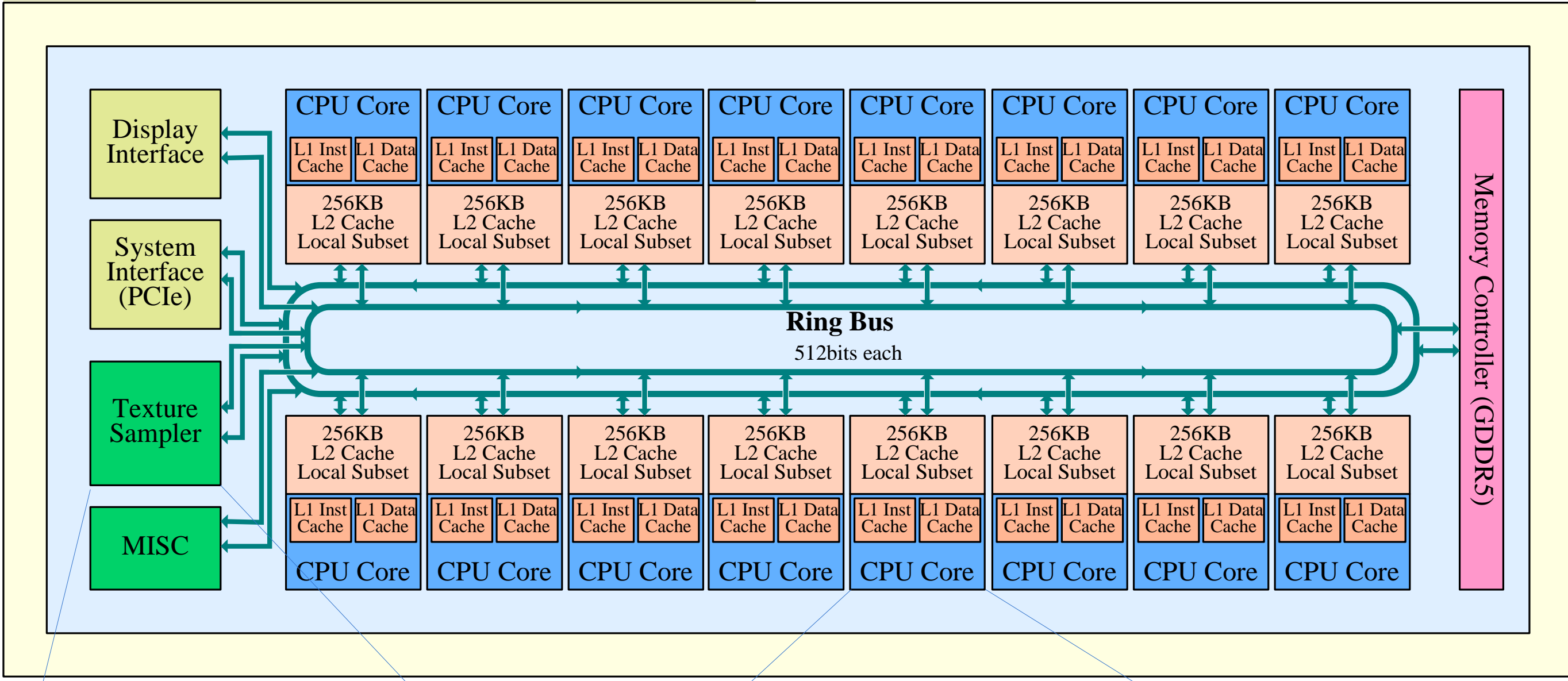


Larrabee

Larrabee



Vector complete instruction set
 Scatter/gather for vector load/store
 Mask registers select lanes to write (for data-parallel flow control)
 A separate execution kernel to each VPU lane

Vector instructions support
 Fast read from L1 cache
 Numeric type conversion and data replication (read path from memory)
 Rearrange the lanes on register read
 Fused multiply add (three arguments)
 Int32, Float32 and Float64 data