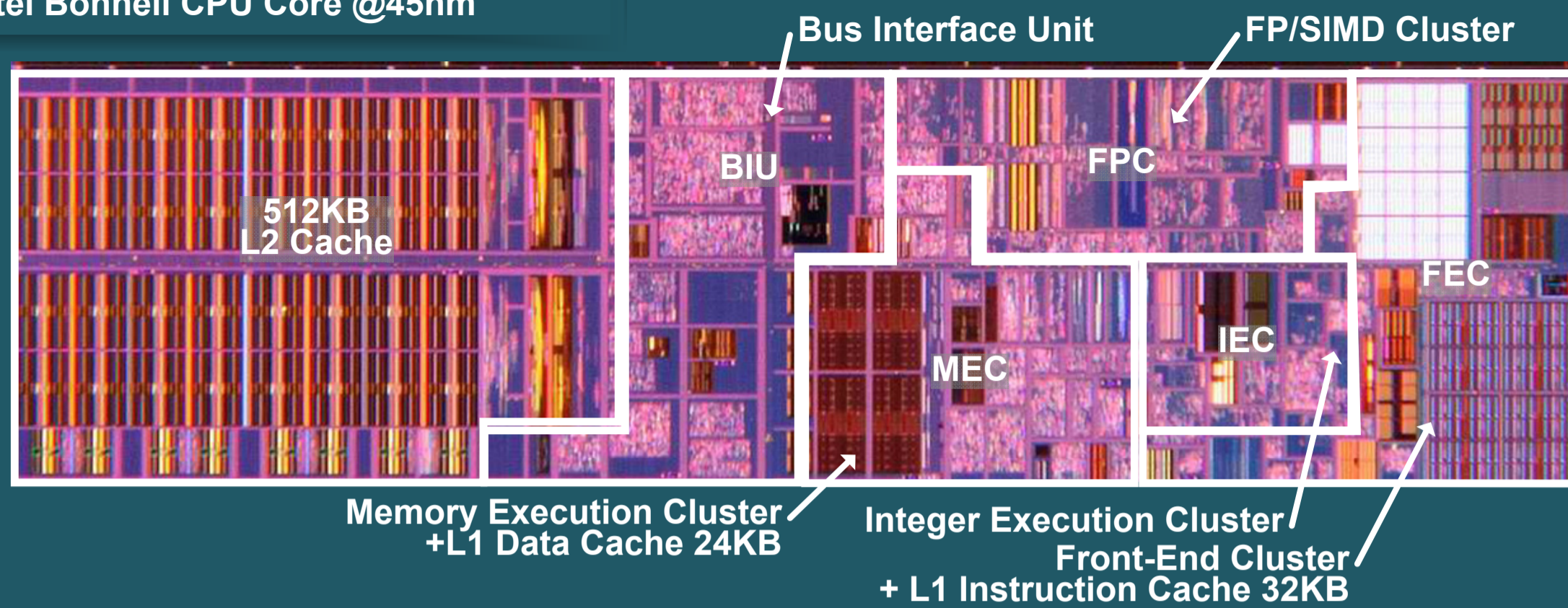


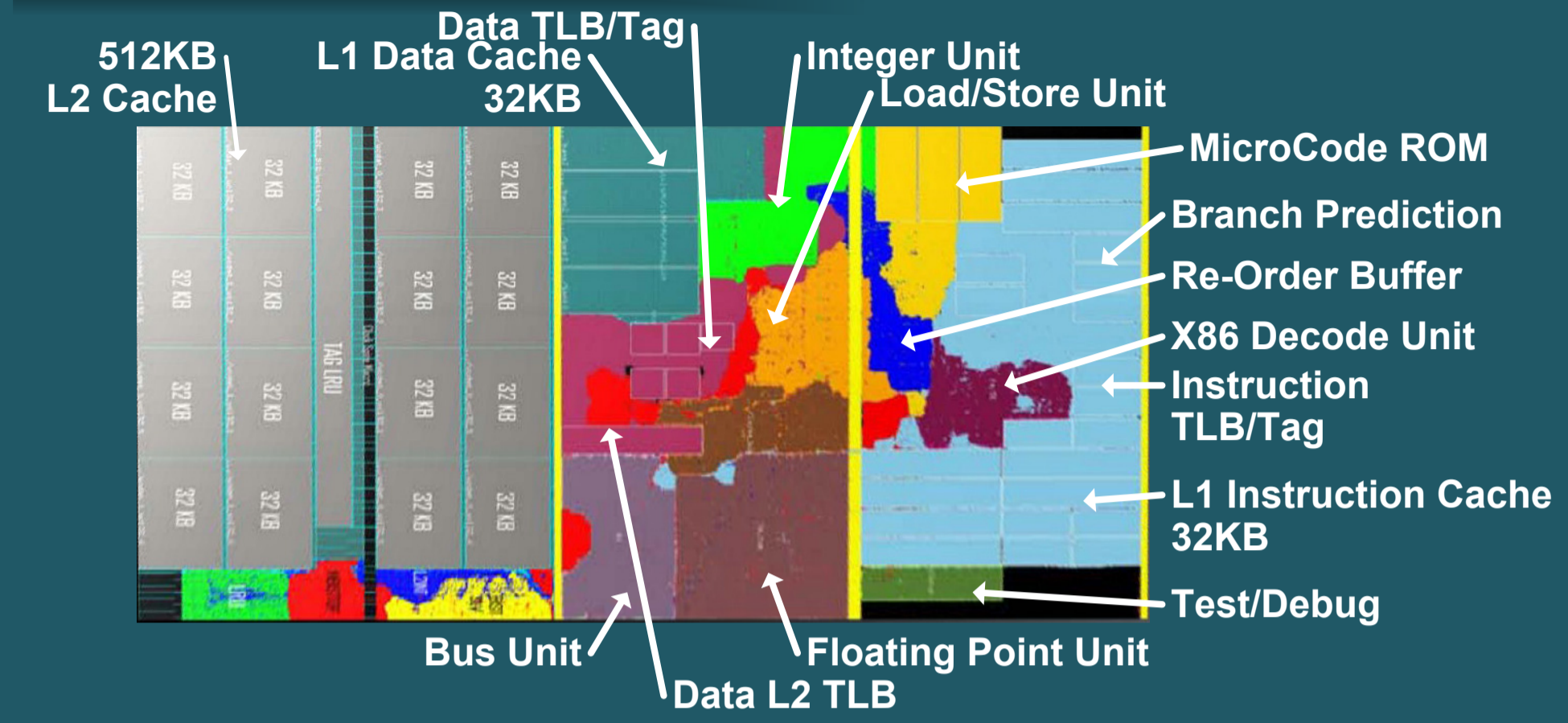
Intel LPIA Cores vs AMD Low Power Cores

Intel Bonnell CPU Core @45nm



45 nm LP bulk Process (Intel)
 2-Decode In-Order
 24KB L1 Data Cache
 32KB L1 Instruction Cache
 512KB L2 Cache
 14mm² CPU Core+L2
 <9mm² CPU Core
 (w/o bus unit 6.x mm²)

AMD Bobcat CPU Core + L2 Cache



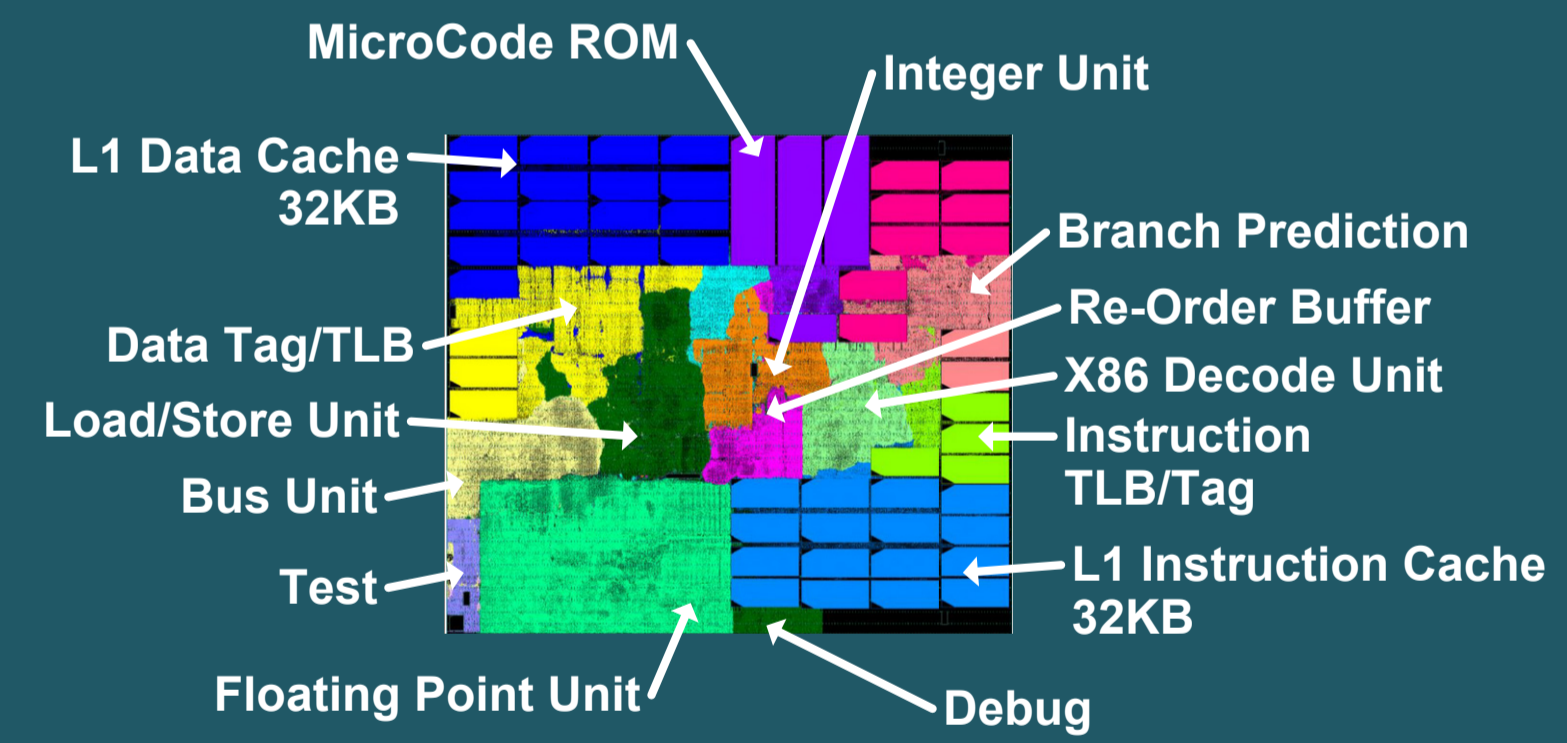
40 nm bulk Process (TSMC)
 2-Issue Out-of-Order
 32KB L1 Data Cache
 32KB L1 Instruction Cache
 512KB L2 Cache
 8.5 mm² CPU Core+L2
 4.9 mm² CPU Core

Intel Saltwell CPU Core @32nm



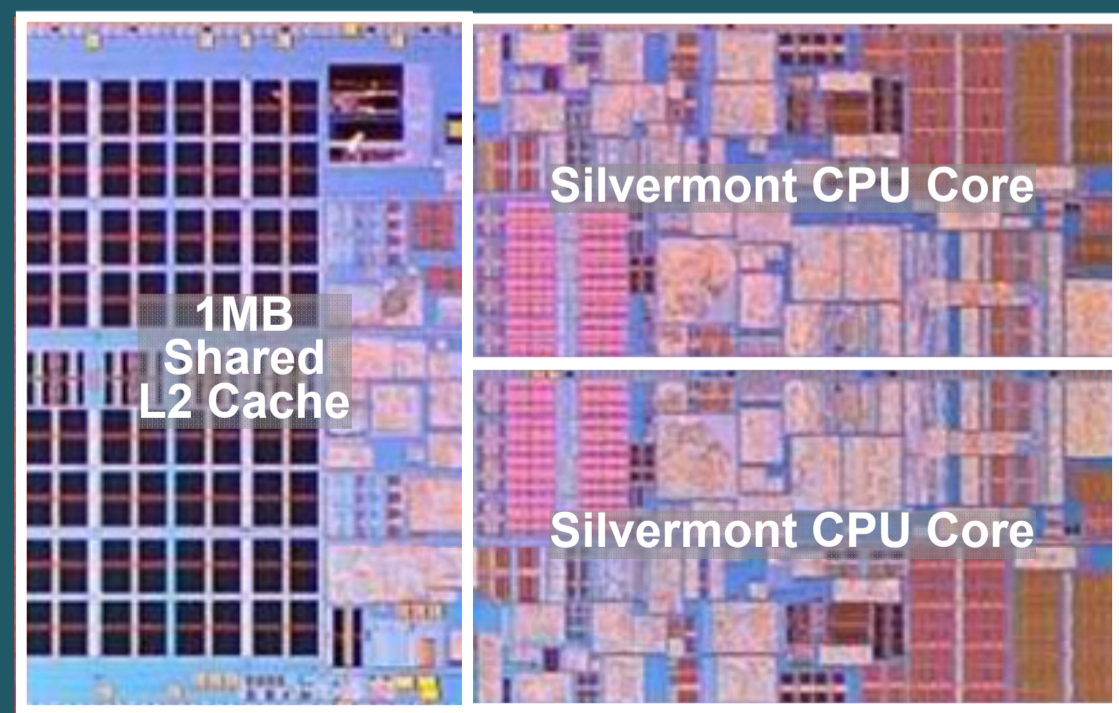
32 nm LP bulk Process (Intel)
 2-Decode In-Order
 24KB L1 Data Cache
 32KB L1 Instruction Cache
 512KB L2 Cache
 <8 mm² CPU Core+L2
 5.x mm² CPU Core
 (w/o bus unit <4 mm²)

AMD Jaguar CPU Core



28 nm bulk Process (TSMC)
 2-Issue Out-of-Order
 32KB L1 Data Cache
 32KB L1 Instruction Cache
 512KB L2 Cache
 3.1 mm² CPU Core

Intel Silvermont 2 CPU Core @22nm



22 nm LP bulk FinFET Process (Intel)
 2 CPU Cores
 2-Decode Out-of-Order
 24KB L1 Data Cache
 32KB L1 Instruction Cache
 1MB Shared L2 Cache
 8.x mm² CPU Core+L2
 2.x mm² CPU Core(w/o bus)
 40.00倍