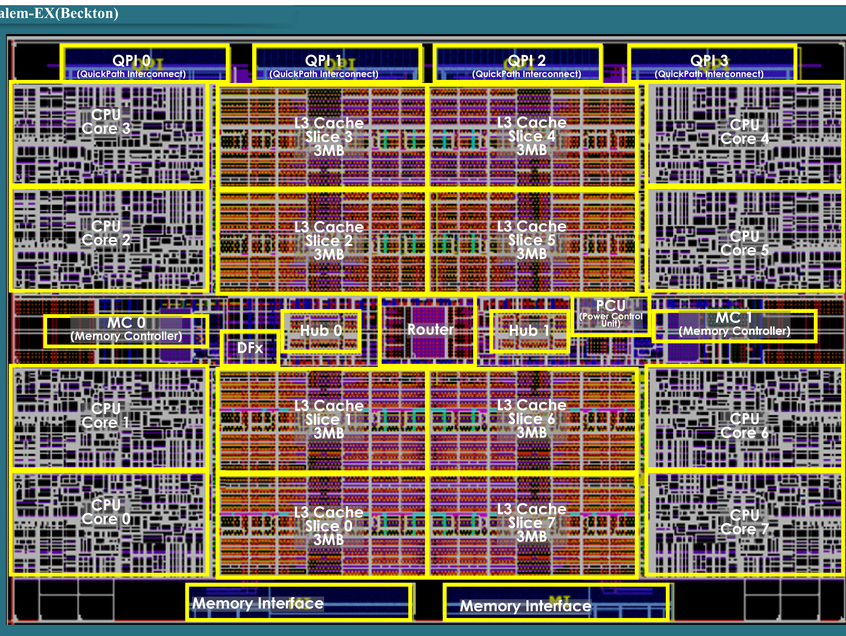
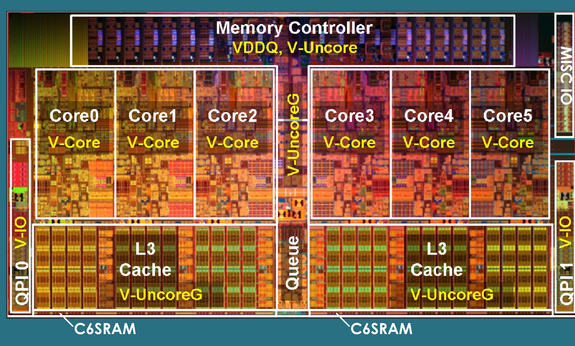
Nehalem/Westmere Family

Nehalem-EX(Beckton)



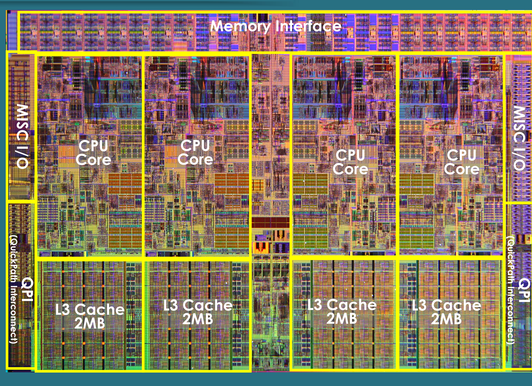
8 CPU cores
24MB L3 Cache
45 nm Process
2.3B transistors
6xx mm2

Westmere-6 Core (Gulftown)



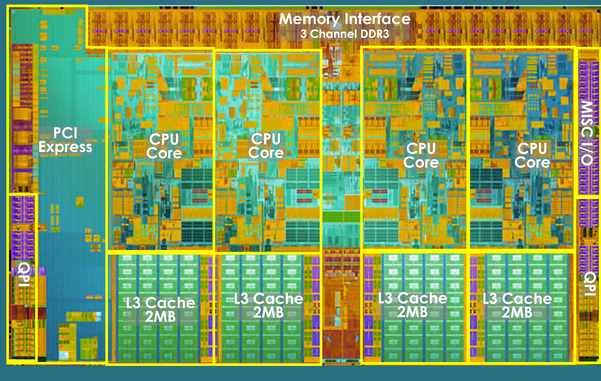
6 CPU cores
12MB L3 Cache
3 Channels DDR3/LV-DDR3
32 nm Process
240 mm2
1.17B transistors

Bloomfield/Gainestown



4 CPU cores
8MB L3 Cache
3 Channels DDR3
45 nm Process
731M transistors
263 mm2

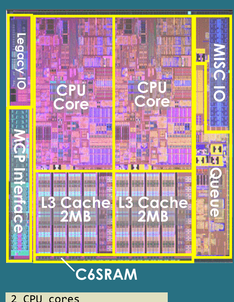
Lynnfield/Clarksfield/Jasper Forest



4 CPU cores
8MB L3 Cache
3 Channels DDR3
(2 Channels)
PCI Express

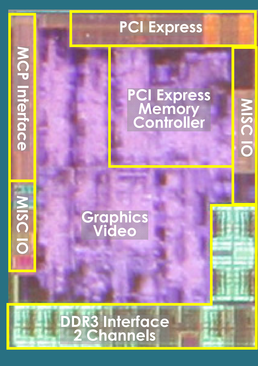
45 nm Process
774M transistors
296 mm2

Dual-core Westmere



2 CPU cores
4MB L3 Cache
32 nm Process
78 mm2
384M transistors

Iron Lake (GMCH die)



GPU Core(GMCH)
2 Channels DDR3
PCI Express
45 nm Process
114 mm2
177M transistors

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