

Nehalemファミリの内部構成

Extreme/Performance Quad-core

Bloomfield

- 4 CPU Cores (256KB L2 each)
- 8MB Shared L3 Cache
- Integrated Memory Controller
- QuickPath interconnect Link Controller

3x DDR3 800/1066/1333Mbps
1x QuickPath interconnect (CSI) 4.8/5.86/6.4Gbps

4 CPU cores
8 Threads (2way SMT)
8MB Shared L3 Cache
45nm Process
TDP -130W
3x DDR3 Interfaces
1x QPI Link
Socket 1366

Performance/Mainstream Quad-core

Lynnfield/Clarkfield

- 4 CPU Cores (256KB L2 each)
- 8MB Shared L3 Cache
- Integrated Memory Controller
- PCI Express Gen2

2x DDR3
1 x16 or 2 x8 PCI Express Gen2
DMI x4/x2

4 CPU cores
8 Threads (2way SMT)
-8MB Shared L3 Cache
45nm Process
TDP 95W
TDP Mobile 45/55W
2x DDR3 Interfaces
PCI Express Gen2 1x16 or 2x8
DMI x4/x2
Socket 1160

Mainstream/Essential Dual-core

Havendale/Auburndale

- CPU die: 2 CPU Cores (256KB L2 each), 4MB Shared L3 Cache
- GMCH die: GPU core
- Integrated Memory Controller
- PCI Express Gen2

2x DDR3
1 x16 PCI Express Gen2
DMI x4/x2

2 CPU cores
4 Threads (2way SMT)
4MB Shared L3 Cache
45nm Process
TDP <95W
TDP Mobile 35/45W
2x DDR3 Interfaces
PCI Express Gen2 x16
DMI x4/x2
Socket 1160
Integrated GPU core