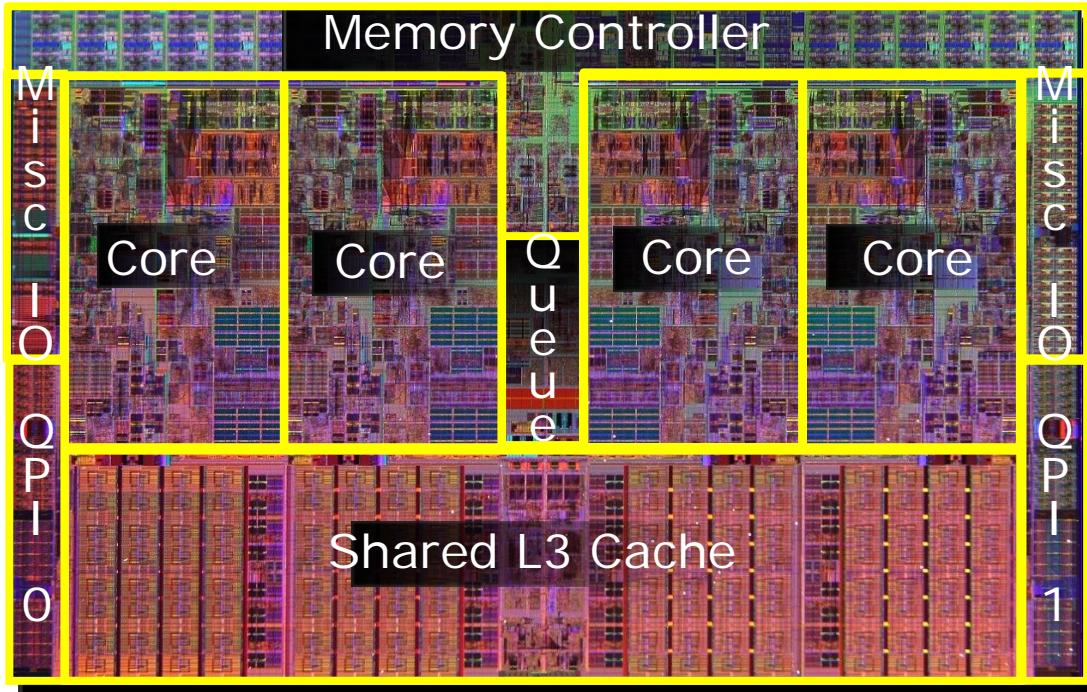
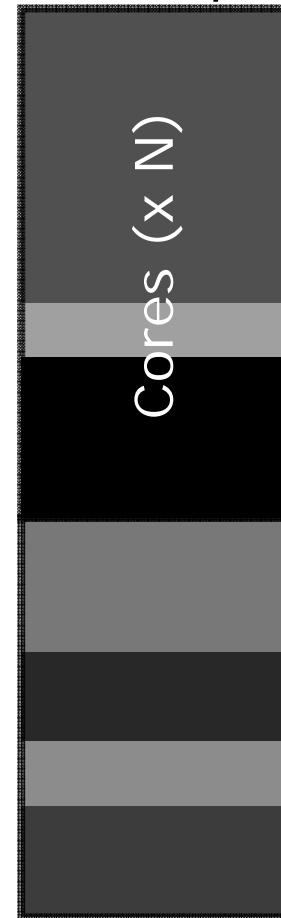


Intel® Core™ Microarchitecture (Nehalem)-based Processor



- Significant logic outside core
 - Integrated memory controller
 - Large shared cache
 - High speed interconnect
 - Arbitration logic

Total CPU Power Consumption



Core
Clocks
and Logic

Core Clock
Distribution

Core
Leakage

Uncore Logic

I/O

Uncore Clock
Distribution

Uncore
Leakage