

# Enhanced Intel® Core™ Microarchitecture

## Intel Core Microarchitecture

## *New with the Penryn Family*

Intel® Wide Dynamic Execution

Fast Radix-16 Divider  
Enhanced Intel Virtualization Technology

Intel® Advanced Smart Cache

Larger Caches: up to 6MB, 12MB

Intel® Smart Memory Access

Split Load Cache Enhancement  
Higher bus speeds

Intel® Advanced Digital Media Boost

Intel SSE4 instructions  
Super Shuffle Engine

Intel® Intelligent Power Capability

Deep Power Down Technology  
Enhanced Intel Dynamic Acceleration Tech

Increased Performance and Energy  
Efficiency Across All Applications

