

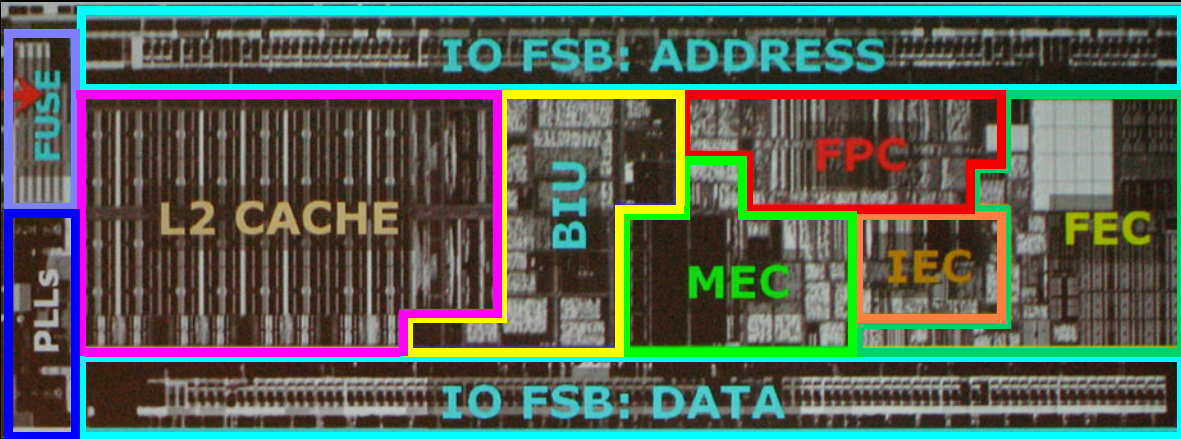
# Silverthorne's Feature

**SSE3**

**Hyper-Threading**

**Intel 64 (64 bits)**

**45nm CMOS  
High-k**



**C6 State**

**up to 2GHz**

**GTL/CMOS  
dual mode FSB**

**Intel Virtualization  
Technology(VT)**

**Silverthorne**  
45nm ( High-K, Metal-gate CMOS, 9 Layer)  
Transistors 47M Die Area <25mm<sup>2</sup>  
TDP -2W  
-2GHz  
512KB L2 Cache  
400/533 Mtps FSB(Front Side Bus)