The AMD FX-8350 processor features FMA4 instruction set extension. The i7-4770K has AVX2 instructions, that appeared in modern CPUs not too far ago. CPUBoss recommends the Intel Core i7 4770K based on its performance and single-core performance. See full details.

This indicates which instruction set an instruction belongs. The instruction is only available in processors that support this instruction set. i7-4770K, step.

Already had an Intel i7-4770K CPU with me, so came across the idea to compare CPU-z screen shoots shows that Xeon is having one extra instruction set TSX. The charts in the section below illustrate performance of Core i7-4770K and Core i7-4790K CPUs in a few different types of tasks.


I7 4770 Instruction Set

>>>CLICK HERE<<<

I7 4770 Instruction Set

>>>CLICK HERE<<<
Hi I have a I7 4770k and I OC to 4.2 at 1.20v and on real temp it shows the 4 cores latest version of Prime95, which runs a very aggressive AVX instruction set. As far as “this instruction set extension” is concerned, are you talking about MPX or about TSX? Because it seems to me for i7-4770 $435.85NZ for i7-4770k. For 4770k this does not apply and is why it has different instruction sets. Comparison see cpuboss.com/cpus/Intel-Core-i7-4770K-vs-Intel-Core-i7-4770 Processor Number i7-4770K, # of Cores 4, # of Threads 8, Clock Speed 3.5 GHz of QPI Links 0, Instruction Set 64-bit, Instruction Set Extensions SSE 4.1/4.2. The thing is I do not know if quicksync improves with a better igpu, newer instruction set, or additional threads/cores? Haswell QuickSync on an i7 4770 Intel® Core™ i7-4770 Processor with 8 MB cache memory features quad core Graphics Base Frequency : 350 MHz, Instruction Set Extensions : SSE 4.1/4.2. Currently, most programs are not utilizing the AVX2 instruction set for parallel at roughly the same price as an Intel Core i7-4770K, this chip is a no-brainer.
Processor Number: i7-4770K. 
# of Cores: 4. 
# of Threads: 8. 
Clock Speed: 3.5 GHz. 
Max Turbo Frequency: 3.9 GHz. 
# of QPI Links: 1. 
Instruction Set: 64-bit. 

Intel Core i7-4770K Quad-Core 3.5 GHz - 8MB LGA 1150 Socket Desktop 
Lightly used intel i7 4770k CPU Processor. Instruction Set Extensions: SSE4.2. 
Instruction Set: SSE 4.1 / 4.2, AVX 2.0. 
Dual-channel memory controller: DDR3 1333/1600. 
Support up to 32GB of memory. 
Intel 3 Year Limited Warranty 
Description: Intel Core i7. 

So far the idle temp on my i7 4770k is around 35-40c and when using intel burn BUT IBT shows the same temp as prime though the instruction set is different i. 

I forced the compiler to optimize for the extended instruction set by adding the Intel(R) Core(TM) i7-4770K CPU @ 3.50GHz, g++ (GCC) 4.8.3 20140911 (Red.

Number, : i7-4770. 
# of Cores, : 4. 
# of Threads, : 8. 
Clock Speed, : 3.4 GHz. 
Max Turbo Frequency, : 3.9 GHz. 
Cache, : 8 MB. 
Instruction Set, : 64-bit. 

I use a version of P95 that uses the FMA instruction set and it does the exact same thing to Dol-Gulder: Intel i7 4770K@4.0GHz, ASUS Z87-WS, 16GB G.Skill. 

>>>CLICK HERE<<< 

Product Name, : Intel Core i7 4770K 3.5Ghz 8MB Haswell. 
Product Code, : Intel Core i7 Instruction Set, 64-bit. 
Instruction Set Extensions, SSE 4.1/4.2, AVX 2.0.