

Intel Core i7 benchmarks

Application benchmarks

Benchmarks	Intel Core i7-965 Extreme Edition	Intel Core 2 QX9770 Extreme Edition	AMD Phenom 9950 Black Edition
Cinebench R10 multi-thread	45secs	1min 4secs	1min 29secs
Cinebench R10 single-thread	3mins 17secs	3mins 42secs	6mins 10secs
X264 video encode	75fps	47fps	36fps
PCMark Vantage	12,208	10,721pts	8,285pts
Wav to WMA encode	9.89MB/s	6.93MB/s	4.72MB/s
Data compression	36.97MB/s	31.1MB/s	25.42MB/s
Games			
Crysis Warhead	57fps	49fps	25fps
Call of Duty 4	118fps	108fps	69fps
Lost Planet	165fps	105fps	75fps
Half-Life 2	236fps	216fps	138fps
Synthetic benchmarks			
Memory bandwidth (SiSoft Sandra)	18.4GB/s	6.14GB/s	9.36GB/s
Raw floating point (SiSoft Sandra)	69.23GFLOPs	39.63GFLOPs	29.05GFLOPs
Overall platform power consumption	Intel Core i7-965 Extreme Edition	Intel Core 2 QX9770 Extreme Edition	AMD Phenom 9950 Black Edition
Overall platform power consumption	368 watts	340 watts	352 watts

Intel Core i7-920 vs Core 2 QX9770

Benchmarks	Intel Core i7-920	Intel Core 2 QX9770 Extreme Edition
Cinebench R10 multi-thread	55secs	1min 4secs
X264 video encode	62fps	47fps
Crysis Warhead	48fps	49fps

Intel Core i7-965 Extreme vs Intel Skulltrail

Benchmarks	Intel Core i7-965 Extreme Edition	Intel Skulltrail (2x Core 2 QX9775)
Cinebench R10 multi-thread	45secs	41secs
X264 video encode	75fps	83fps
Crysis Warhead	57fps	44fps

Overclocking

Benchmarks	Intel Core i7-965 Extreme Edition	Intel Core i7-920
Maximum frequency	3.73GHz	3.4GHz
Cinebench R10 multi-thread	40secs	42secs
X264 video encode	81fps	79fps
Crysis Warhead	61fps	57fps

HyperThreading testing

Benchmarks	Intel Core i7-965 Extreme Edition
Cinebench R10 multi-thread HT on	45secs
Cinebench R10 multi-thread HT off	52secs
X264 video encode HT on	75fps
X264 video encode HT off	62fps
SuperPi + CPU Burn In HT on	12m 44secs
SuperPi + CPU Burn In HT off	11m 34secs

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