



to take advantage of the multiple cores.

Four methods for splitting the work among threads:



Two new public variables were added to class JER_Slices. - int NumberOfCores

	Hydra	Cetus	• Encode
CPU	Intel Xeon X5550 2.66 GHz Quad Core	Intel Core 2 Quad Q9300 2.55 GHz Quad Core	-O3 conAverage
Bus speed	3200 MHz	1333 MHz	
L1 Cache	256 KB	256 KB	Coding F
			Road Sale
L2 Cache	1 MB	6 MB	Reeu-Joit
L3 Cache	8 MB	-	Cauchy R
OS	Ubuntu 10.04 64-bit	Ubuntu 10.04 64-bit	, , , , , , , , , , , , , , , , , , ,
Ram	12GB (1066 MHz DDR3)	4GB (800 MHz DDR2)	
Memcpy() speed	6.33 GB/s	2.77 GB/s	Both
XOR speed	4.53 GB/s	1.67 GB/s	



• Single-threaded encoding is extremely fast when M = 1. coding drive; the data is simply copied and XOR'd.



http://www.intel.com/pressroom/kits/quickreffam.htm. [1] "Ark | Your source for information on Intel products," http://ark.intel.com.