Performance Comparison: All Apple May, 2011 iMacs and July, 2010, Mac Pro 2.93GHz Twelve Core Xeon - MacReviewZone.com

Monday, February 20, 2012
Below we compare the performance of the all the currently shipping May, 2011 iMac computers and the July, 2010, Mac Pro 2.93GHz Twelve Core Xeon

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Machine	Power Fractal Seconds	Processor Performance
21.5 Inch iMac 2.5GHz Quad i5	550.9	100%
21.5 Inch iMac 2.7GHz Quad i5	511.6	108%
21.5 Inch iMac 2.8GHz Quad i7	385.2	143%
27 Inch iMac 2.7GHz Quad i5	512.5	107%
27 Inch iMac 3.1GHz Quad i5	447.6	123%
27 Inch iMac 3.4GHz Quad i7	317.9	173%
Mac Pro 2.93GHz 12 Core Xeon	140.6	392%

Machine	CineBench Graphics	Graphics Performance
21.5 Inch iMac 2.5GHz Quad i5	36.2	100%
21.5 Inch iMac 2.7GHz Quad i5	40.4	112%
21.5 Inch iMac 2.8GHz Quad i7	41.8	115%
27 Inch iMac 2.7GHz Quad i5	40.3	111%
27 Inch iMac 3.1GHz Quad i5	37.8	104%
27 Inch iMac 3.4GHz Quad i7	40.2	111%
Mac Pro 2.93GHz 12 Core Xeon	31.9	88%

Machine	Quake 2 FPS	Graphics Games
21.5 Inch iMac 2.5GHz Quad i5	177.8	100%
21.5 Inch iMac 2.7GHz Quad i5	199.2	112%
21.5 Inch iMac 2.8GHz Quad i7	209.8	118%
27 Inch iMac 2.7GHz Quad i5	200.8	113%
27 Inch iMac 3.1GHz Quad i5	189.2	106%
27 Inch iMac 3.4GHz Quad i7	199.8	112%
Mac Pro 2.93GHz 12 Core Xeon	171.3	96%

Machine	Copy Folder Seconds	Copy Multi-File
21.5 Inch iMac 2.5GHz Quad i5	185	100%
21.5 Inch iMac 2.7GHz Quad i5	115	161%
21.5 Inch iMac 2.8GHz Quad i7	123	150%
27 Inch iMac 2.7GHz Quad i5	181.7	102%
27 Inch iMac 3.1GHz Quad i5	180.2	103%
27 Inch iMac 3.4GHz Quad i7	180	103%
Mac Pro 2.93GHz 12 Core Xeon	124.5	149%

Machine	Copy File Seconds	Copy Single Large File
21.5 Inch iMac 2.5GHz Quad i5	137.9	100%
21.5 Inch iMac 2.7GHz Quad i5	108.7	127%
21.5 Inch iMac 2.8GHz Quad i7	112.8	122%
27 Inch iMac 2.7GHz Quad i5	153.1	90%
27 Inch iMac 3.1GHz Quad i5	125.4	110%
27 Inch iMac 3.4GHz Quad i7	125	110%
Mac Pro 2.93GHz 12 Core Xeon	110.4	125%

Machine	Photoshop Seconds	Processor Intensive Action
21.5 Inch iMac 2.5GHz Quad i5	277.1	100%
21.5 Inch iMac 2.7GHz Quad i5	258.7	107%
21.5 Inch iMac 2.8GHz Quad i7	233.1	119%
27 Inch iMac 2.7GHz Quad i5	259.9	107%
27 Inch iMac 3.1GHz Quad i5	233.2	119%
27 Inch iMac 3.4GHz Quad i7	200.5	138%
Mac Pro 2.93GHz 12 Core Xeon	151.9	182%

Machine	iMovie Import Seconds	Disk Intensive Action
21.5 Inch iMac 2.5GHz Quad i5	80.8	100%
21.5 Inch iMac 2.7GHz Quad i5	71.8	113%
21.5 Inch iMac 2.8GHz Quad i7	75.2	107%
27 Inch iMac 2.7GHz Quad i5	73.3	110%
27 Inch iMac 3.1GHz Quad i5	70.7	114%
27 Inch iMac 3.4GHz Quad i7	68.5	118%
Mac Pro 2.93GHz 12 Core Xeon	72.5	111%

Machine	QuickTime Export Seconds	Processor Intensive Action
21.5 Inch iMac 2.5GHz Quad i5	958.3	100%
21.5 Inch iMac 2.7GHz Quad i5	886.6	108%
21.5 Inch iMac 2.8GHz Quad i7	683.5	140%
27 Inch iMac 2.7GHz Quad i5	901.6	106%
27 Inch iMac 3.1GHz Quad i5	815.4	118%
27 Inch iMac 3.4GHz Quad i7	579.2	165%
Mac Pro 2.93GHz 12 Core Xeon	375.7	255%

Machine	CineBench CPU Points	Processor Intensive Action
21.5 Inch iMac 2.5GHz Quad i5	3.93	100%
21.5 Inch iMac 2.7GHz Quad i5	4.24	108%
21.5 Inch iMac 2.8GHz Quad i7	5.66	144%
27 Inch iMac 2.7GHz Quad i5	4.24	108%
27 Inch iMac 3.1GHz Quad i5	4.83	123%
27 Inch iMac 3.4GHz Quad i7	6.82	174%
Mac Pro 2.93GHz 12 Core Xeon	15.07	383%

Machine	iDVD Import Seconds	Processor Intensive Action
21.5 Inch iMac 2.5GHz Quad i5	67.9	100%
21.5 Inch iMac 2.7GHz Quad i5	64.9	105%
21.5 Inch iMac 2.8GHz Quad i7	59.8	114%
27 Inch iMac 2.7GHz Quad i5	62.4	109%
27 Inch iMac 3.1GHz Quad i5	58.2	117%
27 Inch iMac 3.4GHz Quad i7	54.4	125%
Mac Pro 2.93GHz 12 Core Xeon	70.7	96%

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All Apple May, 2011 iMac Computers and July, 2010, Mac Pro 2.93GHz Twelve Core Xeon

Machine	Processor Type	Cache Amount
21.5 Inch iMac 2.5GHz Quad i5	Quad-core Intel Core i5	6MB shared L3 cache
21.5 Inch iMac 2.7GHz Quad i5	Quad-core Intel Core i5	6MB shared L3 cache
21.5 Inch iMac 2.8GHz Quad i7	Quad-core Intel Core i7	8MB shared L3 cache
27 Inch iMac 2.7GHz Quad i5	Quad-core Intel Core i5	6MB shared L3 cache
27 Inch iMac 3.1GHz Quad i5	Quad-core Intel Core i5	6MB shared L3 cache
27 Inch iMac 3.4GHz Quad i7	Quad-core Intel Core i7	8MB shared L3 cache
Mac Pro 2.93GHz 12 Core Xeon	2X Six-Core Intel Xeon	12MB shared L3 cache
Machine	**Memory Amount**	**Drive Size**
21.5 Inch iMac 2.5GHz Quad i5	4GB	500GB Rotational Drive
21.5 Inch iMac 2.7GHz Quad i5	4GB	1000GB Rotational Drive
21.5 Inch iMac 2.8GHz Quad i7	4GB	1000GB Rotational Drive
27 Inch iMac 2.7GHz Quad i5	4GB	1000GB Rotational Drive
27 Inch iMac 3.1GHz Quad i5	4GB	1000GB Rotational Drive
27 Inch iMac 3.4GHz Quad i7	4GB	1000GB Rotational Drive
Mac Pro 2.93GHz 12 Core Xeon	6GB	1000GB Rotational Drive
Machine	**Graphics Card**	**Graphics Memory**
21.5 Inch iMac 2.5GHz Quad i5	AMD Radeon HD 6750M	512MB
21.5 Inch iMac 2.7GHz Quad i5	AMD Radeon HD 6770M	512MB
21.5 Inch iMac 2.8GHz Quad i7	AMD Radeon HD 6770M	512MB
27 Inch iMac 2.7GHz Quad i5	AMD Radeon HD 6770M	512MB
27 Inch iMac 3.1GHz Quad i5	AMD Radeon HD 6970M	1GB
27 Inch iMac 3.4GHz Quad i7	AMD Radeon HD 6970M	1GB
Mac Pro 2.93GHz 12 Core Xeon	ATI Radeon HD 5770	1GB
Machine	**Machine Part Number**	**MSR Price**
21.5 Inch iMac 2.5GHz Quad i5	MC309LL/A	$1,199
21.5 Inch iMac 2.7GHz Quad i5	MC812LL/A	$1,499
21.5 Inch iMac 2.8GHz Quad i7	Z0M5	$1,699
27 Inch iMac 2.7GHz Quad i5	MC813LL/A	$1,699
27 Inch iMac 3.1GHz Quad i5	MC814LL/A	$1,999
27 Inch iMac 3.4GHz Quad i7	Z0M7	$2,199
Mac Pro 2.93GHz 12 Core Xeon	Z0M4	$4,999

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