



## Your Intel® Xeon® Processor Family Comparison Chart

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	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	Dual-Core Intel® Xeon® Processor 7100 Series	
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<b>Processor Number</b>	7150N	7140M	7140N	7130M	7130N	7120M	7120N	7110M	7110N	
<b>Process Technology</b>	65 nanometer technology	65 nanometer technology	65 nanometer technology	65 nanometer technology	65 nanometer technology	65 nanometer technology	65 nanometer technology	65 nanometer technology	65 nanometer technology	
<b>L2 Cache</b>	2x1MB	2x1MB	2x1MB	2x1MB	2x1MB	2x1MB	2x1MB	2x1MB	2x1MB	
<b>L3 Cache</b>	16MB	16MB	16MB	8MB	8MB	4MB	4MB	4MB	4MB	
<b>Clock Speed</b>	3.50 GHz	3.40 GHz	3.33 GHz	3.20 GHz	3.16 GHz	3.00 GHz	3.00 GHz	2.60 GHz	2.50 GHz	
<b>Front Side Bus</b>	667 MT/s	800 MT/s	667 MT/s	800 MT/s	667 MT/s	800 MT/s	667 MT/s	800 MT/s	667 MT/s	
<b>System Type</b>	MP	MP	MP	MP	MP	MP	MP	MP	MP	
<b>Other Intel Technologies</b>	Intel® Virtualization Technology, Intel® Cache Safe Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†	Intel® Cache Safe Technology, Intel® Virtualization Technology, Dual-core, Intel® 640, DBS, HT†
<b>Package</b>	FC-PGA6	FC-PGA604	FC-PGA6	FC-PGA604	FC-PGA604	FC-PGA604	FC-PGA604	FC-PGA604	FC-PGA604	
<b>Server Chipset</b>	Intel® E8501 Chipset	Intel® E8501 Chipset	Intel® E8501 Chipset	Intel® E8501 Chipset	Intel® E8501 Chipset	Intel® E8501 Chipset	Intel® E8501 Chipset	Intel® E8501 Chipset	Intel® E8501 Chipset	
<b>Workstation Chipset</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Server Boards</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Memory Type</b>	DDR2-400	DDR2-400	DDR2-400	DDR2-400	DDR2-400	DDR2-400	DDR2-400	NA	DDR2-400	
<b>Server Systems</b>	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	SR6850HW4 (6U optimized), SR4850HW4 (4U optimized)	
<b>Server Chassis</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Server Compute Blades</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Carrier Grade Servers</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Pin Count</b>	604-PIN	604-PIN	604-PIN	604-PIN	604-PIN	604-PIN	604-PIN	604-PIN	604-PIN	
<b>sSpec Number</b>	NA	SL9HA	SL9HD	SL9HB	SL9HE	SL9HC	SL9HF	SL9Q9	SL9QA	
<b>Power</b>	150W	150W	150W	150W	150W	95W	95W	95W	95W	
<b>Where to Buy</b>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	<a href="#">Where to Buy</a>	

† 64-bit Intel® Xeon® processors with Intel® EM64T requires a computer system with a processor, chipset, BIOS, OS, device drivers and applications enabled for Intel EM64T. Processor will not operate (including 32-bit operation) without an Intel EM64T-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel EM64T-enabled OS, BIOS, device drivers and applications may not be available. Check with your vendor for more information.

††The Dual-Core Intel® Xeon® processor 7030, 7041 and the Intel® E8501 Chipset are currently expected to be available in early 2006. For actual availability, contact your local Intel field sales representative.

\* Performance will vary depending on the specific hardware and software you use. See most up to date benchmarks at <http://www.intel.com/performance/server/index.htm> for detailed information.

\*\* Performance will vary depending on the specific hardware and software you use. For the latest Intel Xeon processor performance details, please refer to <http://www.intel.com/performance/workstation/index.htm> for detailed information.

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