



# Intel® Core™ i7 processor

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System	Processor Number	Cores/ threads	Clock Speed	Intel® Smart Cache	Silicon	Intel® Turbo Boost Technology <sup>1</sup>	Intel® Hyper-Threading Technology <sup>2</sup>
	<a href="#">What is this?</a>	<a href="#">What is this?</a>	<a href="#">What is this?</a>	<a href="#">What is this?</a>	<a href="#">What is this?</a>	<a href="#">What is this?</a>	<a href="#">What is this?</a>
	<b>Standard voltage processors</b>						
	i7-840QM	4 Cores / 8 threads	1.86 GHz	8 MB	45 nm	Yes	Yes
	i7-820QM	4 Cores / 8 threads	1.73 GHz, up to 3.06 with turbo boost	8 MB	45 nm	Yes	Yes
	i7-740QM	4 Cores / 8 threads	1.73 GHz	6 MB	45 nm	Yes	Yes
	i7-720QM	4 Cores / 8 threads	1.60 GHz, up to 2.80 with turbo boost	6 MB	45 nm	Yes	Yes
	i7-620M	2 cores/ 4 threads	2.66 GHz up to 3.33 with turbo boost	4 MB	32 nm	Yes	Yes
	<b>Ultra-low-voltage processors</b>						
	i7-640LM	2 cores/ 4 threads	2.13 Ghz up to 2.93 with turbo boost	4 MB	32 nm	Yes	Yes
	i7-620LM	2 cores/ 4 threads	2.0 GHz up to 2.8 with turbo boost	4 MB	32 nm	Yes	Yes
	i7-660UM	2 cores/ 4 threads	1.33 GHz	4 MB	64 nm	Yes	Yes
	i7-640UM	2 cores/ 4 threads	1.20 Ghz up to 2.26 with turbo boost	4 MB	32 nm	Yes	Yes
	i7-620UM	2 cores/ 4 threads	1.06 GHz up to 2.13 with turbo boost	4 MB	32 nm	Yes	Yes
		i7-960	4 Cores / 8 threads	3.20 GHz up to 3.46 with turbo boost	8 MB	45 nm	Yes
i7-950		4 Cores / 8 threads	3.06 Ghz up to 3.33 with turbo boost	8 MB	45 nm	Yes	Yes
i7-940		4 Cores/ 8 threads	2.93 GHz up to 3.20 with turbo boost	8 MB	45 nm	Yes	Yes
i7-920		4 Cores / 8 threads	2.66 Ghz up to 2.93 with turbo boost	8 MB	45 nm	Yes	Yes
i7-870		4 Cores / 8 threads	2.93 GHz up to 3.60 with turbo boost	8 MB	45 nm	Yes	Yes
i7-860s		4 Cores / 8 threads	2.53 GHz up to 3.46 with turbo boost	8 MB	45 nm	Yes	Yes
i7-860		4 Cores / 8 threads	2.80 GHz up to 3.46 with turbo boost	8 MB	45 nm	Yes	Yes