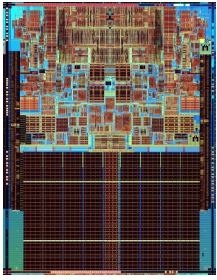


18 August 2007

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Penryn processor core die  
The Web

## [Next Generation of Intel CPUs Reach 4GHz](#)

*The Penryns will be faster than anything else*

The release date of the Intel processors based on the Penryn core is coming fast so that the manufacturing company decided to announce some details about the next generation of desktop processors. The Penryn generation will start with initially nine processors based on the 45nm fabrication process and will reach the speed of 4GHz in the end, according to the site [TGDaily](#). The new Intel offering will include both entry and middle level dual core processors and it will also bring some quad cores too. No less than five dual core CPUs are expected, all of them based on the Wolfdale architecture and reaching speeds of 2.66, 2.83, 3.0 and 3.16GHz. The last Wolfdale CPU will run at an unspecified clock speed. The second level of cache memory for all the dual core processors based on the Wolfdale architecture will amount to a total of 6MB. On the quad core front, Intel plans the release of four processors based on the Yorkfield core and three of them will be clocked at 2.5 GHz, 2.66 GHz and 2.83 Ghz, while the fourth CPU will reach a higher but undisclosed frequency. The entry level processor running at 2.5GHz will come equipped with 6MB of second level of cache memory, while the higher end models will have 12MB. According to the news site Digitimes, the Penryn class of processors will be more overclockable as they will support the increase of the multiplier in 0.5 increments. This move from Intel will also produce a greater variety of processors with different speeds and performance capabilities. Intel said that the Penryn class may very well reach beyond the 4GHz speed limit. It is said that Core 2 Duo processors are already running at 4GHz in Intel's testing labs for quite some time now but the company choose not to release such a processor as it did not have a direct competing product on the high end market.