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Subject: Re: Computer trouble

Posted by [icedog90](#) on Fri, 06 Jan 2006 20:56:36 GMT

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Scythar wrote on Fri, 06 January 2006 12:25icedog90 wrote on Fri, 06 January 2006 14:53Dual channel isn't a certain type of memory, it's two sticks of DDR that are both exactly the same and are being effectively doubled in bandwidth from the RAM to the CPU.

[http://en.wikipedia.org/wiki/Dual\\_channel](http://en.wikipedia.org/wiki/Dual_channel)

Actually, the bandwidth is only doubled between the RAM and memory controller. There's still only one frontside bus (between CPU and chipset), which is exactly why dual channel doesn't bring such a huge performance increase in AMD chips than Intel, since AMD doesn't have as fast FSB and it creates a bottleneck. Intel's fast 800 Mhz(= 2x DDR400 speed) is great for dual channel arcitecture.

I knew someone would jump in and attempt to correct me because I said "bandwidth". I was talking about the bits, not the actual bandwidth. Utilizing two 64-bit channels, it results in a total bandwidth of 128 bits for moving from the RAM to the CPU.

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