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r/buildapc



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r/buildapc • 2 yr. ago

pierceisgone



Does a CPU with 2 memory channels support using 4 sticks of RAM?

[Discussion](#)

My CPU only has 2 memory channels. But my motherboard will support up to 4 sticks of RAM. I've heard that that the CPU having 2 memory channels means it can use 4 sticks of RAM. Is this true? Could I use up to 4 sticks?



3



6



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housingcoin • 2y ago

This is true. It supports 2 DIMMs per channel, so four in total.



1

[Reply](#)pierceisgone **OP** • 2y ago

A channel is 2 slots?



1

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psimwork • 2y ago

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That said, it's almost always better to run 2 sticks than 4 if you have the option. I used to always recommend getting a four slot motherboard, but then personally found that adding two sticks to an in-place two-stick kit was a bigger pain-in-the-ass than it should be. And getting RAM running at rated speeds is ALWAYS easier with two sticks than four.

Finally, if it's a situation of DDR4, RAM is so goddamn cheap right now that if you want to go from 16GB (2x8GB) to 32GB (2x16GB), you can usually just sell your old kit on like ebay, and even after the fees, it's within a few dollars of the same net cost as if you bought another 2x8GB kit.

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AvatarOfMomus • 2y ago

Yes, all normal consumer CPUs are 2 memory channels at maximum. A consumer motherboard with 4 memory slots has 2 slots per channel. This is why it's recommended to always have at least 2 sticks of RAM, and Motherboards have specific instructions for where to place RAM sticks based on how many you have.

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r/buildapc • 6 yr. ago

Would 4 sticks of memory for dual channel effectively give more headroom for RAM overclock?

6 upvotes · 7 comments



r/buildapc • 10 mo. ago

What is better, two sticks of RAM or four?

206 upvotes · 260 comments

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"dual-channel", so is it preferable to get 2 sticks instead of 4? This might be a dumb...

61 upvotes · 111 comments



r/buildapc • 4 yr. ago

Motherboard has 4 DIMM slots, but only supports dual channel memory?

1 upvote · 4 comments



r/buildapc • 3 mo. ago

Is there any problem with 64gb ram/having 4 sticks?

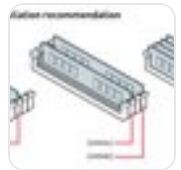
14 upvotes · 63 comments



r/PcBuildHelp • 24 days ago

Should I go for 2 or 4 sticks of ram?

357 upvotes · 187 comments



r/pchelp • 2 mo. ago

4 ram sticks bad?

45 upvotes · 111 comments



r/buildapc • 2 mo. ago

What's wrong with AM5 and using all 4 slots of ram?

347 upvotes · 269 comments



r/Amd • 4 yr. ago

Why isn't quad channel memory mainstream?

7 upvotes · 51 comments



r/MSI_Gaming • 3 yr. ago

CPU Debug light when both RAM stick installed

3 upvotes · 14 comments

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232 upvotes · 41 comments



r/pcmasterrace • 6 mo. ago

Octa-Channel RAM?

1 upvote · 4 comments



r/hardware • 12 yr. ago

Can someone please explain RAM Channels to me?

44 upvotes · 30 comments



r/IndianGaming • 1 yr. ago

What is the difference between single channel and dual channel ram?

12 upvotes · 101 comments



r/pcmasterrace • 2 mo. ago

Dang, I just realized, we need quad channels memory (or more) consumer grade CPU now, not just more CPU cores, outside HEDT CPUs, we've been stuck with dual channel for 20+ years!

17 comments



r/buildapc • 7 yr. ago

What's the difference between slot and channel ?

45 upvotes · 15 comments



r/PcBuildHelp • 1 mo. ago

Got a bunch of friend saying that i cant install these ram sticks and other say that i can, can i install all 3?

608 upvotes · 186 comments



r/pcmasterrace • 1 yr. ago

What is difference between a channel with 2x32bit and 2x64 bit in CPU-Z?

2 upvotes · 3 comments



r/servers • 2 yr. ago

How important number of memory channels when deciding a server?

2 upvotes · 3 comments

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1 upvote · 4 comments



r/IndianGaming • 6 mo. ago

I remember when 4GB Ram was considered overkill



313 upvotes · 70 comments



r/buildapc • 2 mo. ago

what can i do with 64gb of RAM?

212 upvotes · 278 comments



r/ASUS • 2 yr. ago

hello guys, I have a quick question. I have Asus model GU502L, i710750H and 16 GB RAM. Can I upgrade the RAM to 32GB? Can the processor maintain a higher RAM?



3 upvotes · 2 comments



r/buildapc • 9 mo. ago

Why do consumer motherboards have 4 slots if dual channel is what is recommended anyways?

553 upvotes · 229 comments



r/buildapc • 9 days ago

Is dual channel specific RAM still a thing in DDR5?

15 comments

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