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jiggy-t



Motherboard suggestions for audio production workstation//Pre-build review

Misc Build

Hey all!

First build in 10 years and I am sweating it. Thanks in advance to anyone that has the time/desire to look this over. I have already made decisions on all my parts. Just looking for a little last minute guidance.

CPU	Intel i9-12900K
MOTHERBOARD	Asus ProArt Z690-Creator WIFI
PSU	SeaSonic PRIME PX 1300W 80+ PI
GPU	Nvidia GeForce GTX 1080 Ti (Owned)
RAM	2x 16GB DDR5 6000 MHz CL36

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Type	Item	Price
CPU	Intel Core i9-12900KF 3.2 GHz 16-Core Processor	\$549.97 @ B&H
CPU Cooler	Noctua NH-D15 chromax.black 82.52 CFM CPU Cooler	\$109.95 @ Amazon
Motherboard	Asus ProArt Z690-CREATOR WIFI ATX LGA1700 Motherboard	\$508.12 @ Amazon
Memory	Corsair Vengeance 32 GB (2 x 16 GB) DDR5-5600 CL36 Memory	\$229.99 @ Newegg
Storage	Seagate FireCuda 530 2 TB M.2-2280 NVME Solid State Drive	\$319.99 @ B&H
Video Card	NVIDIA GeForce GTX 1080 Ti 11 GB Founders Edition Video Card	Purchased For \$0.00
Case	Fractal Design Define 7 ATX Mid Tower Case	\$169.00 @ Walmart
Power Supply	Corsair RMx (2021) 850 W 80+ Gold Certified Fully Modular ATX Power Supply	\$134.99 @ Best Buy
Case Fan	Scythe Kaze Flex140 Square 100.8 CFM 140 mm Fan	\$17.45 @ Amazon
Case Fan	Scythe Kaze Flex140 Square 100.8 CFM 140 mm Fan	\$17.45 @ Amazon
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Case Fan	Scythe Kaze Flex140 Square 100.8 CFM 140 mm Fan	\$17.45 @ Amazon

Prices include shipping, taxes, rebates, and discounts

Total \$2091.81

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I think the list you've got is good. Here are my thoughts:

- CPU - \$50 for integrated graphics on the 12900K isn't worth it.
- Cooler - good pick. not the best value but very reliable.

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- RAM - not sure what latency you picked, so this is a good kit.
- SSD - upgraded to the fastest seq. SSD on the market.
- Case - good pick. One of the quietest cases on the market, and super premium build quality.
- PSU - no need for a 1300W PSU. If you don't plan on upgrading the GPU for a while, an 850W unit is perfect, even for quiet operation. The Corsair RMx is known for its quiet operation.
- Fans - the case comes with 3 140mm fans. They're quiet but don't move much air so I replaced them with the Scythe Kaze Flex Square. They have the best airflow-to-noise ratio on the market and can move a lot of air at low noise levels. I'd install 3 as front intake and 1 as rear exhaust for a positive pressure configuration, which reduces dust buildup. I didn't want to add any fans on the top so you can use the solid top for maximum silence.

Let me know what you think :)

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jiggy-t OP • 3y ago

Happy to hear you approve of the case and motherboard. And especially like verification that the case is at least somewhat quiet. Excellent suggestion on those fans though. And not too expensive.

As for the ssd, I've actually had trouble with seagates in the past. It's turned me off to them a bit. So I'm hesitant to go back into them for a \$300 drive when I've had such good luck with Samsung.

And that power supply is great but I wanted a smaller wattage ax because of the seasonic build but they are all either out of stock or selling way over market for the wattage I wanted. Also, my last Corsair has somehow held up over 10 years, so the higher wattage was to hopefully future proof any massive powersuck components that might come out. Plus it didn't feel like that much of a price jump but I'll definitely think about lowering it. 1300 did feel a little dirty lol.

Thanks for the in depth response. Much appreciated

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How do you guys judge this build? My only concern is whether the CPU cooler is compatible with the motherboard. Bear in mind this will be \$2650NZ as PCPartPicker is missing the PSU.

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