

## **Erledigt** Mac Pro 2009 upgrade

### **Beitrag von „igorjos“ vom 22. Dezember 2017, 00:21**

Been on a hackintosh since 2010 on clover and now on ozmozis.

I am not a noob or advanced user, something in a middle, so I always have a problems with hardware tuning in hackintosh.

I decided to sell some parts of hackintosh. It was GA-Z97X gaming 7 motherboard and I7-4770 processor. I left wifi/bluetooth card bcm94360cd with PCI-E adapter with antennas. Two 8gb crucial ballistix sport memory cards, so together 16 gb (they 1600MHz)

After researching, a week ago I bought Mac Pro 4.1 year 2009 from UK. It cost Me about 530 Euros with postage.

I was looking only for Mac pro 4.1 and 5.1 and only with two processor slots due to the capability of upgrade in the future.

Mac 4.1 on the fifth part is cheaper than 5.1, and Mac 4.1 can be firmware updated to 5.1 due to the same hardware inside it.

Specification are:

Mac Pro (Early 2009) 4.1

8-core: Two 2.66GHz Quad-Core Intel Xeon 5500 processors

Memory: 4gb

NVIDIA GeForce GT 120 with 512MB of GDDR3 memory

HDD: 500GB with El Capitan

Upgrade will be updated soon!

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### **Beitrag von „Roman78“ vom 22. Dezember 2017, 10:55**

Nice.

I just started on a MacPro 3.1, total cost of 90 Euro for the MacPro and 45 Euro for the Risers. So only 135 Euro's.

You can upgrade it with 2 Six cores CPU's. A List could be found here:  
<https://forums.macrumors.com/t...mpatibility-list.1954766/>

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### Beitrag von „griven“ vom 26. Dezember 2017, 23:22

Wow 135€ is pretty cheap 😄  
Was this machine operational ?!?

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### Beitrag von „igorjos“ vom 27. Dezember 2017, 00:54

You get good machine for very cheap 😊  
I am thinking later on to upgrade to 2 x X5690 six cores and add ram in sum of 64, not more.  
Then I have deal for 3gb r9 280x video card for 80 euros  
Here is a picture of My rig  
I have added 16gb of ram  
And I bought from 1deins.de 256GB Samsung SSD SM961 M.2 and from e-bay PCI-E 4X for M.2  
SSD ADAPTER radiator version (pictures attached) but PCI-e SM961 not works like bootable  
drive with Mac Pro in High Sierra (only external drive speed approximately 1450 read and  
write), but I think you can do that with hackintosh and real pc but not with Mac Pro due to the  
efi  
So now I am selling it and want to buy AHCI ssd drive sm951 for my Mac Pro  
Mac Pro have only max PCI Express 2.0 so you can get faster than 1500 read and write speed  
due to old interface  
geekbench benchmarks attached

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### Beitrag von „Roman78“ vom 31. Dezember 2017, 10:51

[Zitat von griven](#)

Wow 135€ is pretty cheap 😄

Was this machine operational ?!?

Now it is operational, just working on it right now. But it was without Harddisk and the Risers.

Could you make a benchmark of the SSD. I connected mine to the SATA-II bus itself, so it only makes about 250.



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## Beitrag von „igorjos“ vom 7. Januar 2018, 19:22

I posted back to shop bought SM961 because it was working only like external hard drive. But I need ssd for booting OSX so now I looking for Samsung SM951 AHCI version it should work without any kexts and other stuff (natively)

When I was testing SM961 on Mac Pro the read and write speed was about 1450 and it is not going to be higher on SM951. After I buy ssd I will post benchmarks

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## Beitrag von „Arstidir“ vom 7. Januar 2018, 20:12

[@igorjos](#) sorry for being off topic, but could you send me your wallpaper please? 😊

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### **Beitrag von „igorjos“ vom 11. Januar 2018, 10:21**

Here it is:

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### **Beitrag von „igorjos“ vom 23. Januar 2018, 18:07**

As I said, I'm posting benchmarks of Samsung SM951 AHCI 256gb M2 2280 PCIe SSD which connected to the third PCI port with cooling version of adapter.

Running on a Mac natively (no kexts or patches applied) in APFS

Bought used about 110 euros with postage from ebay.

This ssd was removed from a Lenovo ThinkPad X1 Carbon (Gen 3)

Part number: MZHPV256HDGL-000L1

If you buy Samsung version with part number MZHPV256HDGL-00000 then i think you get read/write speed of 1400 MB/s

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### **Beitrag von „igorjos“ vom 5. Februar 2018, 16:54**

8-core: Two 2.66GHz Quad-Core Intel Xeon 5500 processors upgrade to 12-core: Two 3.33GHz

Quad-Core Intel Xeon 5680 processors

IHS removed

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### **Beitrag von „Roman78“ vom 7. Februar 2018, 13:57**

▮ [Zitat von igorjos](#)

8-core: Two 2.66GHz Quad-Core Intel Xeon 5500 processors upgrade to 12-core: Two 3.33GHz Quad Six-Core Intel Xeon 5680 processors  
IHS removed

There i Fixed it 😁

But nice indeed. I would be scared to chop the CPU for a Mac Pro 4.1. In the 5.1 you would not need to chop it. Now some better GPU an you're ready for the next years.

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### **Beitrag von „glord66“ vom 19. April 2018, 15:57**

I also have a MacPro4,1 from 2009, but with a single X5680 and 32GB of RAM. I assume you only need to delid the dual CPU version, because I did not have to delid mine!?