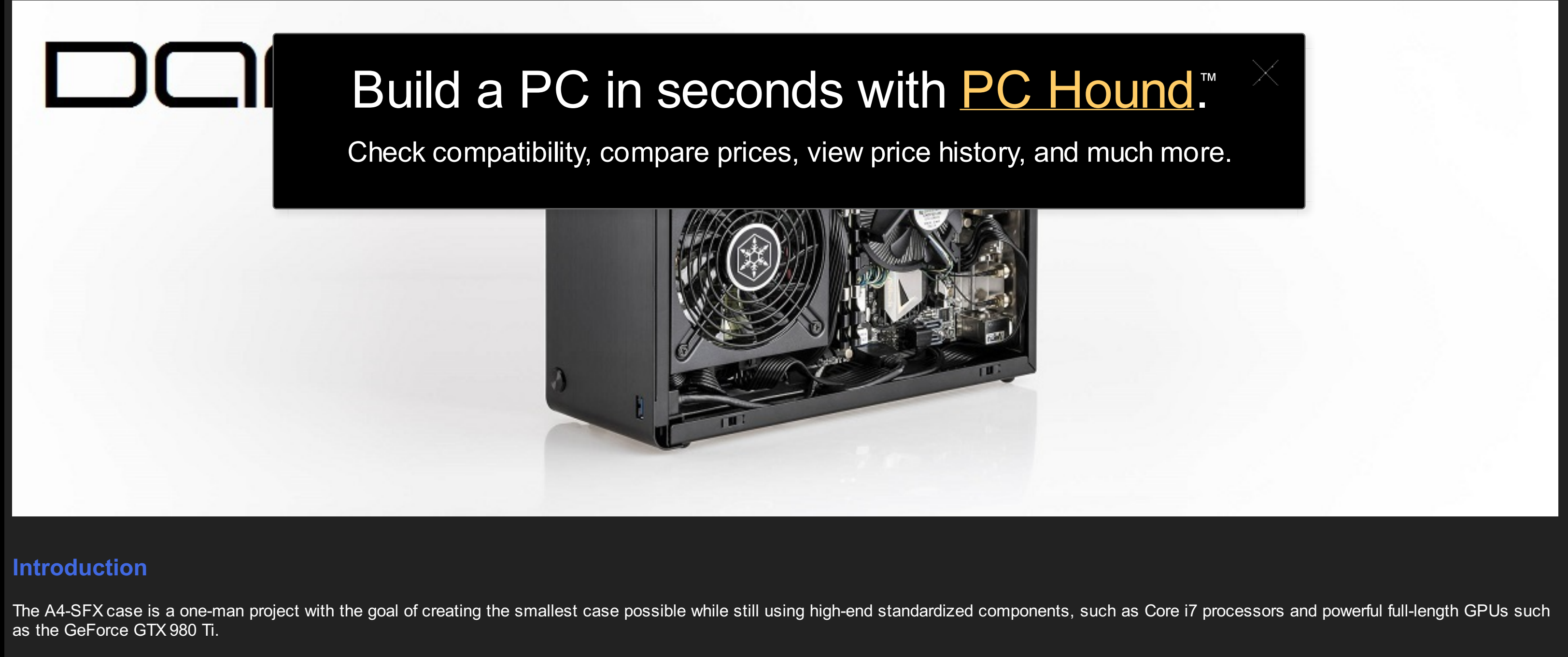


12-30-2013, 12:35 PM

dondan Gawd, 2.7 Years

DAN A4-SFX: The smallest gaming case in the world



## Introduction

The A4-SFX case is a one-man project with the goal of creating the smallest case possible while still using high-end standardized components, such as Core i7 processors and powerful full-length GPUs such as the GeForce GTX 980 Ti.

The result is a unique product that is much smaller than all competing cases. This case is perfect for SFF (Small Form Factor) enthusiasts, those who need a highly portable system, developers who require a case with a smaller footprint due to limited desk space, and gamers who want a high-end PC experience in their living room.

## How it works

A number of creative ideas were needed to create the case. Using a PCIe extender allowed for the most prominent design feature of this case, which is the location of the GPU behind the motherboard. The A4-SFX will come with the highest quality PCIe extender on the market, made by 3M, which allows for PCIe Gen3 and Gen4 support.

The case allows for easy mounting of either SFX or SFX-L power supplies. The PSU is located in the front of the chassis.

Depending on the size of the PSU, up to two 2.5" HDDs or SSDs can be mounted in the drive bay. This drive bay could potentially be mounted with rubber spacers to reduce vibration. A third drive can be mounted behind the front cover.

Every component is able to cool itself by getting fresh air directly from the outside. Hot air in the case will move to the top and then outside without the need of an extra fan. This principle works perfect and results in an amazing cooling efficiency compare to other cases.

## Specification

Case Dimensions (H x W x D): 200 x 112 x 317mm, 7.25L  
Overall Dimensions: 205 x 112 x 327mm (including feet and rear protrusions)  
Weight: 1.25 Kg

Graphic cards support: Dual-Slot up to 295mm length  
Motherboard support: Mini-ITX  
Power Supply support: SFX, SFX-L

Drives: 3 x 2.5" HDD/SSD

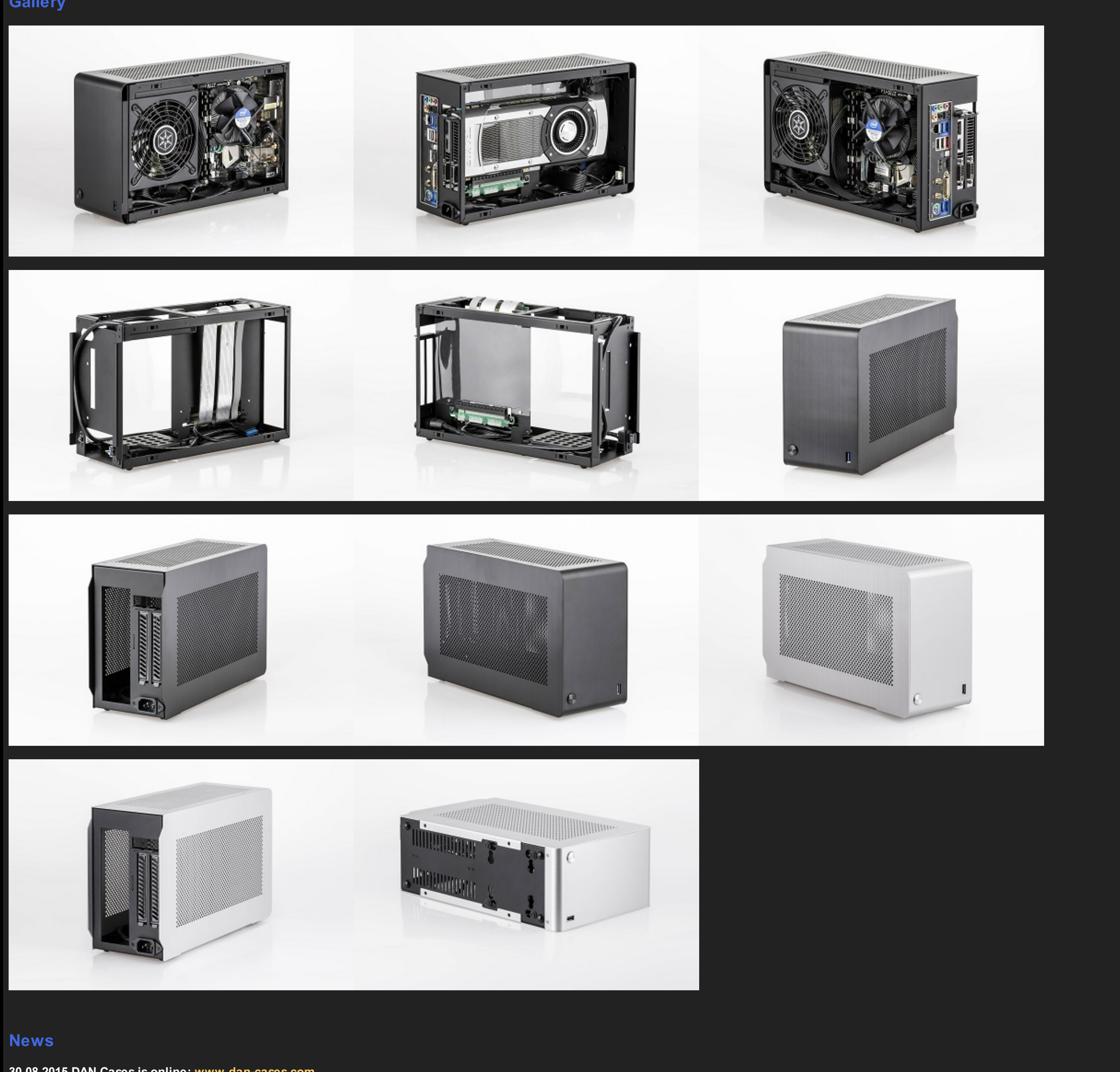
Front ports: 1 x USB 3.0 (internal 20pin plug)  
Power button: Premium-grade button

Material: 1.5mm aluminum, brushed exterior  
Sidepanels: Easily clippable with Lian Li Push Pin technology

Colors: Anodized black or silver exterior, matte black painted interior

Risercard: Includes the 3M Twin Axial 300mm riser cable  
PCIe Gen3+ support, Link: 3M product page

## Gallery



## News

30.08.2015 DAN Cases is online: [www.dan-cases.com](http://www.dan-cases.com)

08.07.2015 Professional pictures of the A4-SFX were made. Many thanks to Torsten Paris!

09.06.2015 DAN A4-SFX cooling performance:

05.2015 Prototype from Lian Li arrived

## FAQ

When will this be released? How can I buy one?  
I plan to sell the case worldwide through a distributor.

How much will it cost?  
Around \$200-230 + shipping + tax (depending on where you are located)

It is possible to get the case with dust filters?  
No they are not included, but I will try to make them buyable with Demiflex.

Why does it only have one USB 3.0 port on the front?  
After much discussion, I have decided that one port is enough for most users as having more ports on such a small case will hurt the aesthetics of the case.

Where do you ship?  
Worldwide

Does the case include a manual?  
Yes, every case includes a manual paper in two languages (German & English).

How do you ensure that the backside of the GPU does not make contact with the metal motherboard tray and SFX PSU?  
The motherboard tray and PSU will have a non-conductive shield attached in order to ensure that the back of the GPU does not come into contact with bare metal.

Last edited by dondan: 12-06-2015 at 12:35 PM.

12-30-2013, 12:39 PM

NeuroticTurtle n00bie, 6.2 Years

p-p-put your pixels in it. (all links go to thumbs and not bacon!)

12-30-2013, 12:57 PM

BBA [Hardness Supreme, 12.7 Years

I like it.

BBA

12-30-2013, 01:18 PM

DrakonSan Limp Gawd, 10.9 Years

Remarkably similar to an idea I got some help with here [http://hardforum.com/showpost.php?p=...\\_0&postcount=41](http://hardforum.com/showpost.php?p=..._0&postcount=41)

I knew I couldn't be the only one with this idea

Can you really power a 780 or r9 on only 380w?  
How does the riser cable work for you?  
Insulation or supports between the MB and GPU?  
Maybe squeeze in or mount externally some 92mm rads?

I am so excited!

12-30-2013, 01:23 PM

CMadki4 [Hardness Supreme, 4.9 Years

Looks pretty slick!

But holy crap dude, host your pics someplace else. I don't even want to click through the pictures from all the popups and crap that come up. Lame!

12-30-2013, 01:23 PM

CHANG3D 2014U, 5.5 Years

I would love one of these!

My friend and I are building a case very similar to yours, but we're using a regular SFX PSU, which makes makes it wider (positive if someone wants more space for HDD/SSD/ODD). We've never thought about using a dc-dc powerboard.

Holy smokes. That Pico-Box [X7-ATX400](#) is \$999!

PC: NCasa M1 #0598 | Intel 3570K | Intel Water Cooler | ASRock Z77E-ITX | Gigabyte Windforce OC 670 | Mushkin Atlas mSATA 120GB | Gell 16GB EVO CORSA DDR3 1866 | Silverstone ST45SF | ASUS VG23QE with Toxicity's Strabbing Utility  
PC: NCasa M1 #2 | Pentium G3260 | Swiftech H220 | ASUS ROG Maximus VII Impact | EVGA GeForce GTX 980 4GB 3C | Samsung 850 Pro 256GB | Team Xtreem 16GB 2053 2400 | Silverstone SM600S | ASUS R05 SWIFT P02720  
Phone: iPhone 6S on T-Mobile. More not neutral than the twin Bells.

12-30-2013, 01:25 PM

dondan Gawd, 2.7 Years

The price is only so high because pico-box-factory has no x7 in stock. The normal price is 80\$

12-30-2013, 01:32 PM

lllll Gawd, 10.2 Years

Quote:

Originally Posted by DrakonSan  
Remarkably similar to an idea I got some help with here [http://hardforum.com/showpost.php?p=...\\_0&postcount=41](http://hardforum.com/showpost.php?p=..._0&postcount=41)  
I knew I couldn't be the only one with this idea

nope, not the only one. I saw something similar in this topic here <http://www.techpowerup.com/forums/1b...28post-2527068>

i never thought it would be possible to actually see something a really though b/c it would be hard to 'fold' the video card underneath w/o some custom parts

12-30-2013, 01:43 PM

dondan Gawd, 2.7 Years

Quote:

Originally Posted by CMadki4  
Looks pretty slick!  
But holy crap dude, host your pics someplace else. I don't even want to click through the pictures from all the popups and crap that come up. Lame!

At the end of the article i add a spoiler with all pictures in full size.

By the way. You can use google-translate to translate the german review about the dc-dc-powerboards. Maybe i translate and publish it in this forum. But my english isn't the best.

12-30-2013, 01:45 PM

CMadki4 [Hardness Supreme, 4.9 Years

Quote:

Originally Posted by dondan  
At the end of the article i add a spoiler with all pictures in full size.

Awesome!

I really like the old and new layouts. Looking forward to the prototype of the new folded design!

Intel i5 4470k w/ H60 | Gigabyte Z87-ITX WiFi | Kingston HyperX Blu 8GB | Samsung 840 250GB | MSI R9 290 | Corsair 250D | Corsair RM 650

12-30-2013, 01:51 PM

marka211 [H]Li, 15.3 Years

I think that \$999 is a misprint. The transaction history shows \$80 a piece.

US \$80.00 x 3 pieces. And the reviews on it, also say \$80 a piece. I would say \$80 would be about right. The 200W one is \$29-31.

12-30-2013, 01:55 PM

Alted4 n00bie, 4.1 Years

Quote:

Originally Posted by marka211  
I think that \$999 is a misprint. The transaction history shows \$80 a piece.  
US \$80.00 x 3 pieces. And the reviews on it, also say \$80 a piece. I would say \$80 would be about right. The 200W one is \$29-31.

Dondan is correct about the \$999 being there only as an indicator of being out of stock. I came across their page a few months ago and noticed the same price discrepancies. I messaged them and they confirmed that that is what they do.

12-30-2013, 01:57 PM

dondan Gawd, 2.7 Years

Quote:

Originally Posted by CMadki4  
Awesome!  
I really like the old and new layouts. Looking forward to the prototype of the new folded design!

I attached some more pictures of the old one in the last spoiler.

12-30-2013, 02:51 PM

BlackSLion Limp Gawd, 3.0 Years

pretty slick!

I think it would look much better with no front usb ports tho. I mean you could have 6 on the back and if you need more you could always get a hub.

12-30-2013, 02:55 PM

dondan Gawd, 2.7 Years

I thought about this too, because i also like a clean front without any ports, but most of the customers want a usb port.

12-30-2013, 02:59 PM

CMadki4 [Hardness Supreme, 4.9 Years

Quote:

Originally Posted by dondan  
I thought about this too, because i also like a clean front without any ports, but most of the customers want a usb port.

Agreed. The ports won't actually show up that much on a black case. Besides, depending on your application, a USB dongle for your keyboard/mouse will get better range in the front port than on the rear and will look better than a hub. For example if you're using this case in home theater setting. Based on experimentation, it is best to have the USB dongle in the front than in the back.

12-30-2013, 03:04 PM

BlackSLion Limp Gawd, 3.0 Years

Quote:

Originally Posted by dondan  
I thought about this too, because i also like a clean front without any ports, but most of the customers want a usb port.

I can't believe you put the power button on the back!

I really like everything about your case! I even had the same thinking of power/frontpanel on the back (see here: <http://imgur.com/a/V91KY#1>) granted that is only a modified sg05. I really believe having the power button on the back is pure genius!

It looks much better, no argument there. And it makes better use of space

I applaud you kind sir, for you have made THE perfect case!

Now we just need more powa! >>

ps: sorry for (what I'd consider) the wall of text >>

edit: if possible maybe you could make some kind of modular front panel, so you could swap it around (brushed aluminum tray, brushed aluminum with ports, vented brushed aluminum, solid acrylic, vented acrylic, acrylic with ports, etc...)

It should allow more customization, since one can simply buy a plain front and paint it to their liking. And the option with a solid or vented front ie: no ports, should give you a little more room for the gpu... <- never mind that I guess I wasn't looking very well.

Last edited by BlackSLion: 12-30-2013 at 03:14 PM.

12-30-2013, 03:11 PM

Poser001 n00bie, 5.2 Years

I like it, however I would love it if you extended the depth enough to seat an sfx 450 in front of the mb and figured the airflow out. I'd buy a prototype today. I need a gaming case that can fit in a flatter style backpack for when I take the motorcycle to work.

Keep up the good work

12-30-2013, 03:24 PM

CMadki4 [Hardness Supreme, 4.9 Years

Quote:

Originally Posted by Poser001  
I like it, however I would love it if you extended the depth enough to seat an sfx 450 in front of the mb and figured the airflow out. I'd buy a prototype today. I need a gaming case that can fit in a flatter style backpack for when I take the motorcycle to work.  
Keep up the good work

I'd actually like to see the project move forward with that 400w picoPSU. Something different. And if works and is stable I could see a lot of great DIY cases and new case designs based around it and the latest short 170mm graphics cards. Ultra compact power!

Intel i5 4470k w/ H60 | Gigabyte Z87-ITX WiFi | Kingston HyperX Blu 8GB | Samsung 840 250GB | MSI R9 290 | Corsair 250D | Corsair RM 650

12-30-2013, 03:44 PM

dondan Gawd, 2.7 Years

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Originally Posted by BlackSLion  
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It should allow more customization, since one can simply buy a plain front and paint it to their liking. And the option with a solid or vented front ie: no ports, should give you a little more room for the gpu... <- never mind that I guess I wasn't looking very well.

A good idea. Maybe it would be an option for the kickstarter campaign.

12-30-2013, 03:44 PM

Poser001 n00bie, 5.2 Years

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Just "how is that possible the dell can only provide 330W". This is wrong the dell shuts down after pulling more than 420W

Last edited by dondan: 12-30-2013 at 04:02 PM.

12-30-2013, 03:44 PM

dondan Gawd, 2.7 Years

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Originally Posted by Poser001  
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