

FRONT PANEL EXPRESS



How to Build a Cheap Custom PC Case

PC gamers are a selective bunch - and that's a good thing. When you know exactly what you want from your machine and can't find the resources readily available to make that happen, a custom PC case may be the answer.



PC gamers are a selective bunch - and that's a good thing. When you know exactly what you want from your machine and can't find the resources readily available to make that happen, a custom PC case may be the answer.

There are plenty of services out there that will design and build a custom PC case to your exact specifications, taking into account video card length, number of HDD bays, and cooling requirements, but they tend to be prohibitively expensive. On the other hand, building a custom case on your own is a pretty daunting task, but if you're up to the challenge, Front Panel Express may be your new best friend.

If you're not aware, we offer [high-end custom enclosures and front panels](#) for electrical components and control units, but thanks to our versatile (and free) design software and state-of-the-art equipment, we can help make your custom PC case, motherboard panel, or face plate a reality. Made in America with the backing of the highest quality materials available, we guarantee our customers will have a rewarding, beneficial experience.

The best part? We don't require minimum production amounts, meaning you can create a one-off design for yourself or create an entire line of custom PC cases based on your own original designs to share or sell to others.

If you're tired of cheap, clumsy, and thoughtless pre-fab PC cases that waste space, heat, and leave you with sliced up fingers, maybe it's time to take a swing at a design of your own. [Download Front Panel Designer](#) for free today and find out how easy it is to design, customize, and estimate the cost of your own custom PC case, rear panel, or face plate. You'll never go back to a manufacturer's product again.

🕒 11/12/2015

[Tweet](#)

[« Reducing Time and Cost by Modifying Enclosures to Your Custom Design Getting Started Designing Your First Enclosure »](#)

Recent Posts

04/18/2016

Designing Component Enclosures with the Elements in Mind - A Complete Guide

[\[read more\]](#)

03/16/2016

Bumping and Shaking? How to Protect Your Enclosure from Vibration

[\[read more\]](#)

03/10/2016

Musicians: Create a Unique Sound with a Custom Effects Pedal!

[\[read more\]](#)

02/26/2016

Why Enclosure Cooling Systems Fail and How to Prevent It: Part 1

[\[read more\]](#)

02/16/2016

3 Ways to Better Customize Your Enclosure Design

[\[read more\]](#)

02/10/2016

Preventing Condensation in Electrical Enclosures

[\[read more\]](#)

02/04/2016

Audiophiles: Build Your Own Hi-Fi Amp with Front Panel Express!

[\[read more\]](#)

01/27/2016

Building Enclosures for Solar Energy - The Basics

[\[read more\]](#)

01/21/2016

NEMA Standards for Electrical Enclosures - What You Need to Know

[\[read more\]](#)

01/13/2016

3 Ways Active Cooling Protects Your Investment

[\[read more\]](#)

01/13/2016

Explaining Electromagnetic Compatibility as it Relates to Enclosures

[\[read more\]](#)

01/13/2016

4 Thermal Hazards in Control Panels and How to Prevent Them

[\[read more\]](#)

12/23/2015

3 New Year's Resolutions for Inventors in 2016

[\[read more\]](#)

12/17/2015

4 Great Gift Ideas for the Inventor in Your Life

[\[read more\]](#)

12/09/2015

Steel vs. Aluminum: Which is Best for Your Project?

[\[read more\]](#)

11/24/2015

Announcing Our Black Friday and Cyber Monday Specials!

[\[read more\]](#)

11/19/2015

Reducing Time and Cost by Modifying Enclosures to Your Custom Design

[\[read more\]](#)

11/12/2015

How to Build a Cheap Custom PC Case

[\[read more\]](#)

11/04/2015

Getting Started Designing Your First Enclosure

[\[read more\]](#)

10/28/2015

3 Reasons Why Front Panel Designer is Essential for Students

[\[read more\]](#)

10/15/2015

5 Ways to Improve Your Office Aesthetics and Boost Appeal

[\[read more\]](#)

10/12/2015

How Internal Temperature Affects Component Life

[\[read more\]](#)

09/30/2015

Choosing the Right Material for Your Component Enclosures - Part 2

[\[read more\]](#)

09/23/2015

Choosing the Right Material for Your Component Enclosures - Part 1

[\[read more\]](#)

09/17/2015

The Benefits of Producing Engraved Signs with High Speed Milling

[\[read more\]](#)

09/11/2015

High-Speed Machining vs. High-Efficiency Machining

[\[read more\]](#)

08/25/2015

Thread Milling vs. Tapping - The Benefits of Both

[\[read more\]](#)

08/18/2015

As Simple as 1-2-3: Going Step-by-Step Through Our Process

[\[read more\]](#)

08/14/2015

Tips for Faster Part Machining

[\[read more\]](#)

08/08/2015

Anodizing, Painting, or Powder Coating: Which is Best?

[\[read more\]](#)

07/25/2015

Beyond Front Panels: Other Important Products We Can Create

[\[read more\]](#)

07/18/2015

Myths About Chatter: What's Really Causing Machining Vibrations?

[\[read more\]](#)

07/11/2015

Why Anodizing is Important

[\[read more\]](#)

06/20/2015

How Front Panel Express Supports Innovators and Inventors

[\[read more\]](#)

06/13/2015

3 Ways a Custom Enclosure Improves Your Project

[\[read more\]](#)

06/06/2015

The Benefits of Using Powder-Coated Aluminum

[\[read more\]](#)

05/30/2015

The Benefits of Our Automated Design Process

[\[read more\]](#)

05/23/2015

3 Reasons Why Front Panel Express Uses Vertical Machining

[\[read more\]](#)

05/19/2015

Explaining the Benefits of High-Speed Machining

[\[read more\]](#)

05/05/2015

5 Benefits of Outsourcing Machine Part Production

[\[read more\]](#)

04/27/2015

Plastic vs. Aluminum: Which Material is Best for Your Sign?

[\[read more\]](#)

04/23/2015

How to Build Your Own Front Panel in 3 Easy Steps

[\[read more\]](#)