



BeamCase ITX - Panels v3.2



BeamCase_Design

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Summary

These are case panels and handles to cover your BeamCase ITX in a unique way.

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These are case panels v3.2 to cover up your BeamCase and give it a unique look.

The handles make it easy to carry and also act as feet and bumpers, though alternative case feet are available.

These are only the files for the outer panels, the base structure can be found [here](#).

Currently there are files for the 2 and 3 slot ITX Beamcase versions and cases with 300mm beams for length (default config)

If there is demand I will create versions for alternative sizes as well.

Required Hardware

Screws (with 4 handles):

M3x6mm countersunk screws for the 17mm version (12pcs per case)

M3x10mm countersunk screws for the 17mm version (8pcs per case)

M3x16mm countersunk screws for the 25mm version (16pcs per case)

Nuts:

standard M3 nuts (36pcs)

I am located in Germany and buy my screws [here](#).

Print Mesh Instructions:

The panels have two parts in each STL, to print the fan grill/mesh pattern **reduce the top and bottom layers of the inner part to zero**, this way only the infill will be printed and act as a mesh. You can choose an Infill pattern you prefer, but for good airflow I would choose an infill percentage between 12-18%. (the case in the images uses grid infill as a mesh pattern and infill percentages between 12-16%)

These parts are primarily aesthetic so they can be printed in any material you like, but in order for the panels to fit perfectly they have to be printed accurately, so ideally compensate for shrinkage. The handles should be printed with at least 3 walls and 20% infill to be strong enough for handling). This print like all BeamCase parts does not require any supports.

I adjust for ABS shrinkage by scaling the part to 100.5% and to 100.1% for PLA (on a Bambu Lab P1S), but it depends on the filament and printer and print speed.

Printer Requirements:

The 2 slot ITX version requires a printbed of at least 235x185mm.
The 3 slot ITX version requires a printbed of at least 255x185mm.

I printed everything on a Bambu Labs P1S which is just barely large enough for the 3 slot ITX version.

Model files

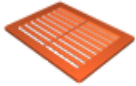




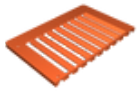
beamcase-panels-v32-top-panel.stl



beamcase-panels-v32-2slot-side-panel.stl



beamcase-panels-v32-2slot-front-panel.stl



beamcase-panels-v32-2slot-split-front-panel-upper.stl



beamcase-panels-v32-2slot-split-front-panel-lower.stl



Panels v3.2 - 3slot 300mm case beam length

6 files



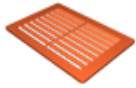
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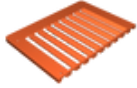
beamcase-panels-v32-top-panel.stl



beamcase-panels-v32-3slot-side-panel.stl



beamcase-panels-v32-3slot-front-panel.stl



beamcase-panels-v32-3slot-split-front-panel-upper.stl



beamcase-panels-v32-3slot-split-front-panel-lower.stl



beamcase-panels-v32-round-case-feet.stl

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