



120mm Fan Offset Frame



jshank

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Summary

This frame allows a computer case fan to be offset 13-mm from the original location if you need just a bit more room.

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I hadn't realized how massive the new AMD Radeon RX 7900 XTX was that I had purchased until I tried to install it in my InWin 101 mid tower case. At 313mm long, the video card overlapped my AIO cooler by about 10mm. There was no good way to move the whole AIO so I decided to create this fan offset frame in Fusion 360.

The frame itself is connected to the AIO by standard PC screws ([#6/32 UNC](#)) with the flanged head. The design implements a counterbore so that the screw heads are hidden inside the frame. I utilized [#6/32 x .150" heat set inserts](#) to allow reuse of the original AIO fan mount screws. I purchased a set of [heat-set insert tips](#) that made installing these a breeze.

I recommend printing in PETG or another high-temp tolerant filament since the AIO gets hot. The fan should keep it cool enough but you can never be sure. The f3d design file is included so you can modify the offset, screw holes or any other aspect of the design.

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Model files



120mm-fan-oý set-frame.3mf

120mm-fan-oý set-v2.f3d

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