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Subject: Re: Replacing fan in Mec with silent one

Posted by [SummingStrange](#) on Tue, 07 Nov 2017 13:14:09 GMT

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If the MEC stock fan has only two wires then it is the simplest type of fan there is (runs at full speed with no speed control, which makes sense).

The Noctua 80mm fan in your link would work, but you don't need a fan that is capable of PWM control, so I would get the Noctua NF-A8 FLX version. This is exactly the same fan but without PWM.

These fans come with a low noise adapter (LNA), so you can try the fan without it first and see how loud it is, then if you want to make it a bit quieter you can use the LNA. Basically the LNA is a short cable that you connect in between the fan and the power header on the PCB and it steps the fan's voltage down to a lower level so the it's quieter.

The only thing you need to figure out is which pins on the fan connector are the ones that use the plus and minus 12V and make sure they connect to the two pins on the header. Two pin fans are not common these days but a 3 pin fan is the same as a 2 pin fan but it has an extra wire to send an RPM signal back to whatever is controlling it, as most computer motherboards can control fan speed either by controlling the voltage sent to the fan (or by PWM if it's a 4 pin fan). Fan headers and plugs are standardised for computers to enable a 3 or pin fan to be plugged in to either 3 pin or 4 pin headers without getting the pins wrong - the connector will only fit onto the header one way. Not sure what the header looks like in the MEC, but I will try to have a look at my one. However, I'm sure the Noctua NF-A8 FLX fan will work.

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