

PoE Switch Noise Modification



Overview

to/4aLHbLD You're literally one click away from a better setup — grab it now! As an Amazon Associate I earn from qualifying purchases. Reduce in built fan noise from Netgear POE switch?

Helpful?

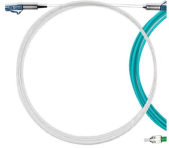
https://amzn. It worked nicely, except that the PoE device seems to emit interference that was being picked. One of the (many) banes of the amateur radio operator's existence is often found at the end of an Ethernet cable - specifically a device that is being powered via "Ethernet": It is often the case that interference - from HF through UHF - emanates from such devices. and other snap-on/toroids to. All these below switch models make very loud fan noise. what is the solution to reduce the noise?

05-14-2025 06:51 AM In addition to what Ronald mentioned, the fan speed is dynamically determined based on the switch temp and PoE load. We are getting larger than expected voltage spikes on the rising and falling edges at

the switching frequency. Can you provide some suggestions of what we can do to suppress these voltage spikes that are occurring?

I have. Since you mention that you'll be running PoE devices off the switch, I wouldn't personally remove all the fans outright - you'll probably cook the internals overtime. The rack is sitting at about 34 deg C.

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Just in case anyone else contemplates doing this, I swapped my RS& Boom to being powered by the PoE adapter shown below, since it was connected to a PoE-capable network switch, ...



You can try to remove PoE devices and reduce the temperature to reduce the fan speed, but otherwise it is completely automatic. Some switches are louder than others, I know that some ...



I've observed that it is often the case that using this local power - which is often 12-24 volts DC (depending on the device) - will greatly reduce the noise/interference generated by the ...



We have implemented the TIDA-050045 reference design nearly as-is with minor changes. We do have a slightly different inductor for L8. Our design uses a 744325330 Würth ...



I have modded two Cisco 1U switches now to quiet them down. If you don't care about how it looks, what you can do is cut a hole in the top of the switch for a quiet 120mm fan, mounted outside the lid.



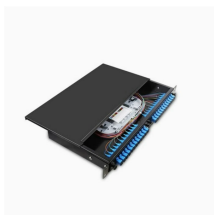
Thank you. This is exactly what I was anticipating in relation to size, POE output capacity, and what I would consider high no load/switch only power consumption. Based on this it ...



I originally purchased an USW-24-POE Gen 2 switch, and discovered that it made a high pitch noise (audible within the same room, switch not in a cabinet) depending on the amount of POE devices ...



On the article below a user has modified the case of the switch to fit a 120mm fan which operates with much lower noise levels (Second before last comment/reply.)



I just recently added a Unifi US-24-250W POE switch to my home network. It is an excellent piece of kit, but the stock cooling fans are quite noisy and the sound really bothered me.

Contact Us

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