

ADDING EXTERNAL M.2 "SOLID STATE DRIVES" ("SSDs") TO A COMPUTER

WITHOUT USING AN USB TO M.2 SSD ADAPTER

by Francis Chao

fchao2@yahoo.com



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SUMMARY

By using an M.2 extension cable and a separately-purchased M.2 cooler, and a PWM power supply for the M.2 cooler and a, you can add internal M.2 SSDs ("Solid State Drives") outside of your computer. Doing so lets you share the same set of drives between two or more computers without incurring the expense and **slowdown** of using USB hard drive adapters.

CONFIGURATION

M.2 SSD outside of the computer connects to an M.2 port extender which then connects to an available M.2 slot on the motherboard of the computer.

The M.2 SSD that is outside of the computer also is attached to an active M.2 cooler which requires a PWM power supply.

PWM POWER SUPPLY FOR COOLER

- <https://www.amazon.com/Coolerguys-100-240v-Three-Power-Supply/dp/B099M8KZ87/>
- (PWM stands for "Pulse Width Modulation" and refers to the small 4-pin connector that connects to the cooler.)

M.2 COOLER

- <https://www.amazon.com/ineo-Rocket-Heatsink-Built-Cooling/dp/B08FX7JZ7H/>
OR
https://www.amazon.com/dp/B09LD9BZ17?ref=ppx_hzsearch_conn_dt_b_fed_asin_title_44