

Jetson Nano Developer Kit Power usage precautions

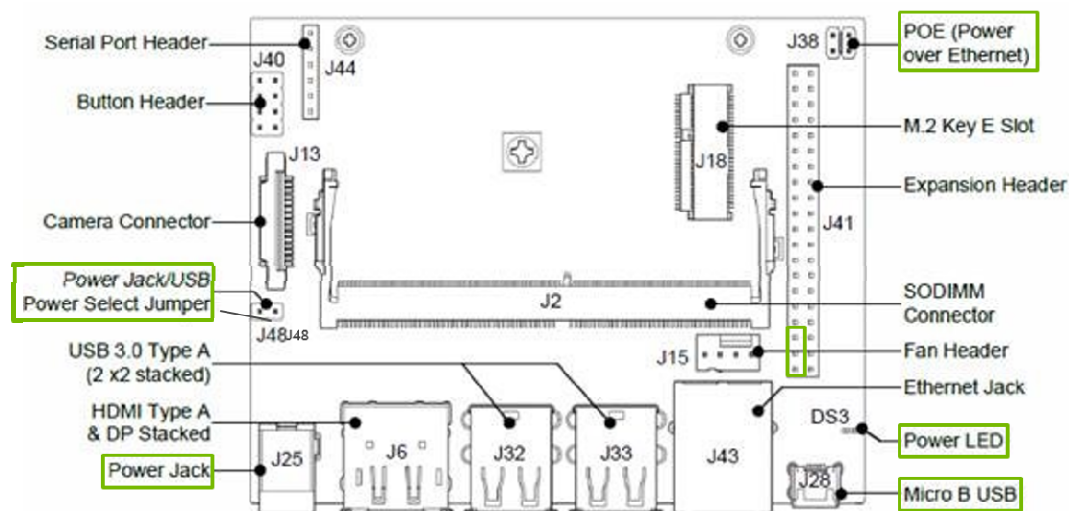
The Jetson Nano Developer Kit is typically configured to supply 5V □ 2A power from the Micro-USB.

If you want to run a large workload in the (default) 10W power mode, you should use a DC power supply (outer diameter 5.5mm / inner diameter 2.1mm / 9.5mm, center pin positive) to provide 5V □ 4A power.

For more information, please refer to the **5V 4A Switching Power Supply** of Adafruit and the **Power Guide** section of the **Jetson Nano Developer Kit User Guide**.

Note: When using DC power, you need to install the jumper cap on the J48 connector on the Jetson Nano development board.

It can also be powered by pin 2 + 4 (Pin 6 GND) of the J48 expansion interface, each pin can up to 5V □ 3A power (5V □ 6A in total).



The Jetson Nano development kit includes a passive heat sink and user can install cooling fans (eg:Noctua NF-A4x20 5V PWM). According to the workload, the heat sink may become hot so we should avoid directly contact during use.

Note: The Jetson Nano Developer Kit does not come with a power supply and the user needs to prepare one by themself.

Here are some of the reference URLs:

https://docs.nvidia.com/jetson/l4t/index.html#page/Tegra%2520Linux%2520Driver%2520Package%2520Development%2520Guide%2Fsoftware_feature_s_jetson_nano.html%23wwpID0E0DB0HA

[s://elinux.org/Jetson_Nano](https://elinux.org/Jetson_Nano)

<https://www.jetsonhacks.com/category/hardware/>

https://github.com/dusty-nv/jetbot_ros