SOP FOR THE WORKING WITH JETSON ORIN NANO DEVELOPER KIT

Requirements:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Specification** | **Remarks** | **Link** |
| Host Computer |  | A computer to flash the microSD card with the Jetson Nano OS image. It can be a desktop or laptop. |  |
| [HDMI Cable (Small)](https://www.temu.com/kuiper/dn9.html?subj=downloadable-ads-shopping&_bg_fs=1&_p_jump_id=841&_x_vst_scene=adg&goods_id=601099520576802&sku_id=17592233633017&adg_ctx=a-f0299dfd~c-cafc2e7f~f-77570fb5&_x_ads_sub_channel=shopping&_p_rfs=1&_x_ns_prz_type=-1&_x_ns_sku_id=17592233633017&mrk_rec=1&_x_ads_channel=google&_x_gmc_account=762712684&_x_login_type=Google&_x_ads_account=3261471670&_x_ads_set=21025726041&_x_ads_id=158599240066&_x_ads_creative_id=691204563978&_x_ns_source=g&_x_ns_gclid=CjwKCAiAivGuBhBEEiwAWiFmYajarhathtPRMGnfMAXsDTz-wK5IQL-_L8_TfcjW0ojUV9OTUt6GNBoCvLAQAvD_BwE&_x_ns_placement=&_x_ns_match_type=&_x_ns_ad_position=&_x_ns_product_id=762712684-sv-17592233633017&_x_ns_target=&_x_ns_devicemodel=&_x_ns_wbraid=Cj8KCQiA5-uuBhDpARIuAOz2_TmwDIxNDwTrZoXk3kGgyQv67geHb_xm9eEr9rPvR-CrJWU0MJXLSq3-IhoCntc&_x_ns_gbraid=0AAAAAo4mICFa6fj7XIEICNavjll9CU5Wt&_x_ns_targetid=pla-1889479349923&gad_source=1&gclid=CjwKCAiAivGuBhBEEiwAWiFmYajarhathtPRMGnfMAXsDTz-wK5IQL-_L8_TfcjW0ojUV9OTUt6GNBoCvLAQAvD_BwE) |  | To connect the Jetson Nano to a display for initial configuration. |  |
| Micro SD Card (Small) |  | The Jetson Nano requires a microSD card (at least 16GB) for the operating system and storage. |  |
| Micro SD Card Reader (Small) |  | Needed to write the Jetson Nano OS image onto the microSD card. |  |
| Micro-USB Cable (Medium) |  | Used for flashing the Jetson Nano and connecting it to the host computer. |  |
| Camera Module (Medium) |  | A compatible camera module is necessary for video transmission. |  |
| Jumper Wires (Medium) | Female to female |  |  |
| USB Hub (Medium) |  | To connect multiple USB devices and the Jetson Nano has limited USB ports. |  |
| External Storage |  | For additional storage space for datasets and models. |  |
|  |  |  |  |

SDK manager:

https://developer.nvidia.com/sdk-manager

<https://developer.nvidia.com/sdk-manager>

<https://www.youtube.com/watch?v=Ucg5Zqm9ZMk&t=388s>

<https://www.youtube.com/watch?v=D0v1q-HUM4o>

<https://docs.nvidia.com/sdk-manager/install-with-sdkm-jetson/index.html>