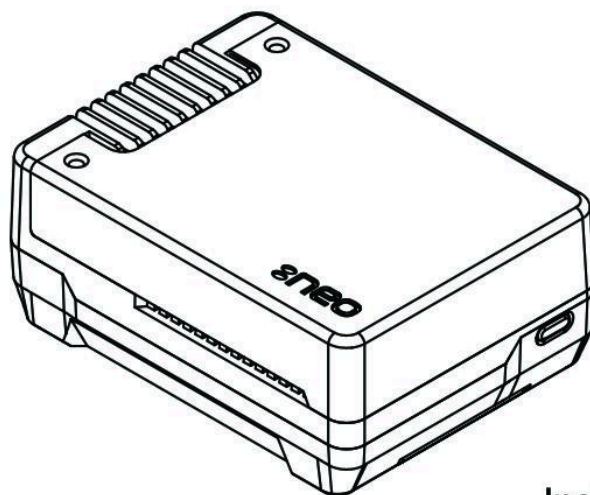


# Argon NEO 5 M.2 NVMe

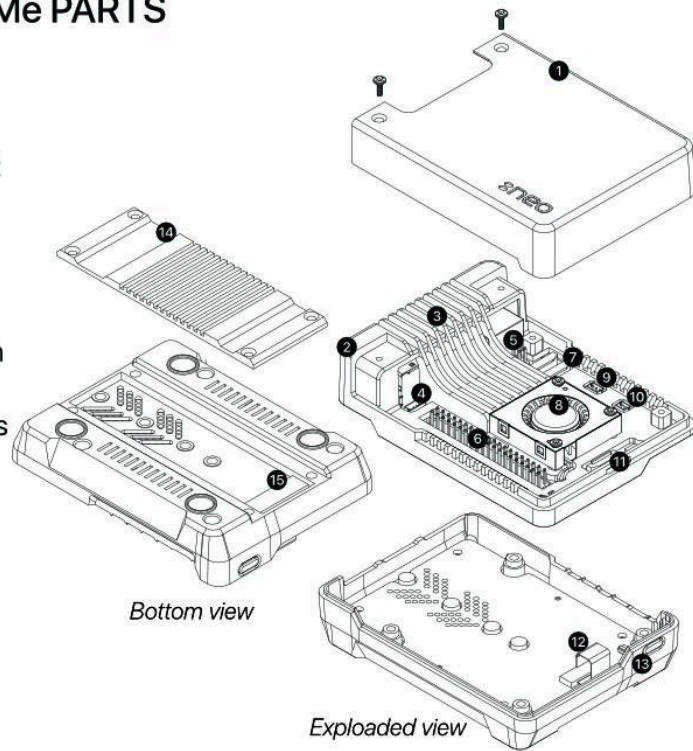
Designed for  Raspberry Pi 



Instruction Manual

## ARGON NEO 5 M.2 NVMe PARTS

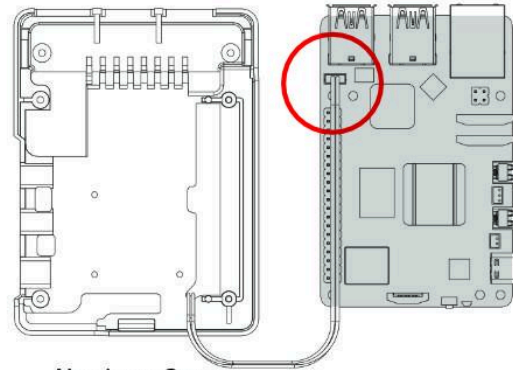
- ① Aluminum Top Cover with screw points
- ② Aluminum Case
- ③ Cooling fins and Exhaust vent
- ④ Fan port access
- ⑤ POE HAT connection
- ⑥ GPIO access
- ⑦ MIPI ports access
- ⑧ 30mm PWM Blower-type Fan
- ⑨ UART connector
- ⑩ RTC battery connector access
- ⑪ PCIe port access
- ⑫ PCIE Film Strip
- ⑬ Power button and LED light
- ⑭ **THRML** M.2 Heatsink
- ⑮ M.2 NVMe Drive Socket



## ASSEMBLY INSTRUCTIONS

1. Connect the NEO 5 FAN to the RPi 5 FAN Port as shown in the image.

***Be Careful NOT to BEND the PINS in the RPi5 FAN PORT.***

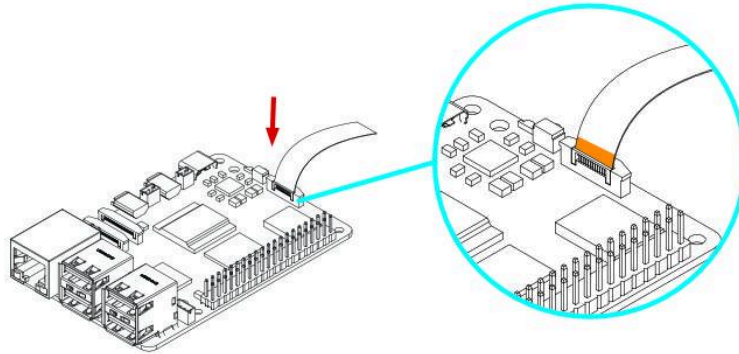


Aluminum Case  
Bottom View

2. Place the thermal pads on the CPU and PMIC Chip of the RPi 5

***Make sure to remove the transparent backing on both sides of the thermal pads***

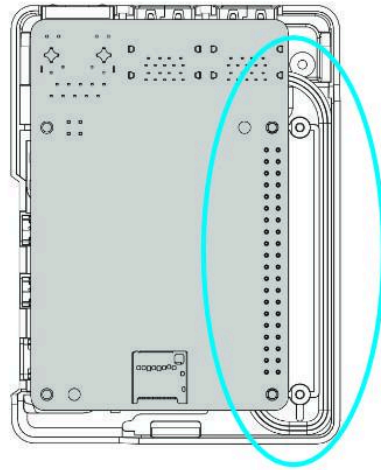
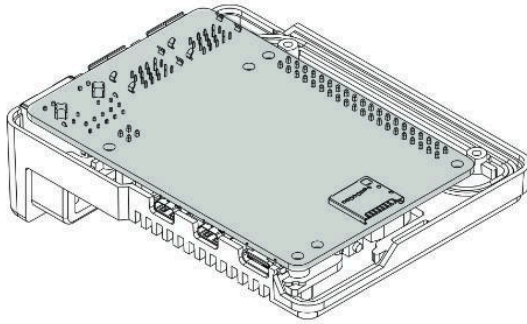
3. Connect the PCIe Pipe Flat Flex Cable to the Raspberry Pi® 5 PCIe port.  
Be careful when handling brown PCIE flip/cover. Pull up the brown flip to release lock.



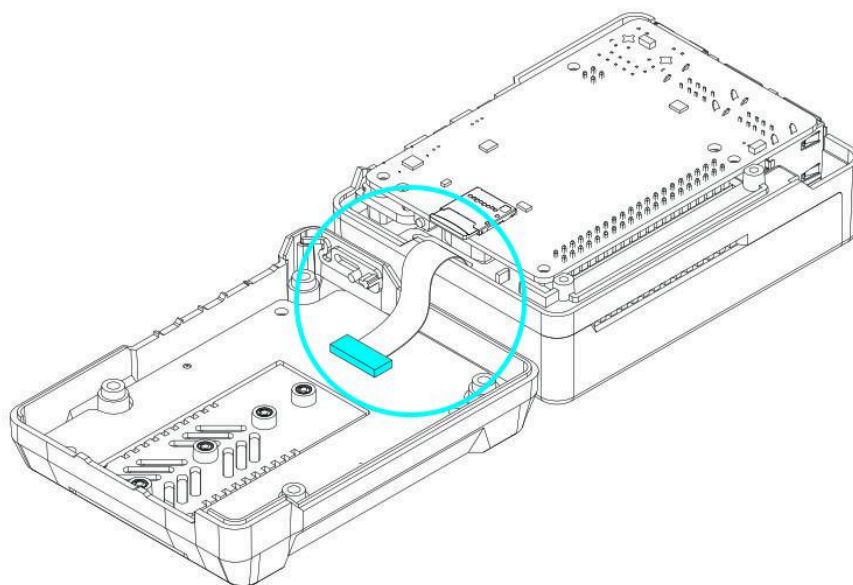
Copper side of the strip should be facing the white side of the PCIE connector of the Raspberry Pi® 5.

4. Drop in the RPi 5 inside the **Argon NEO 5 M.2 NVMe Case**.

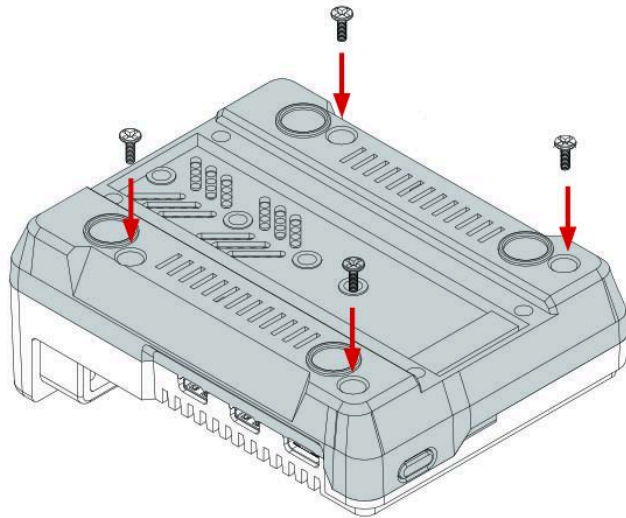
*Make sure that the FAN wire is secured in the guide rail at the side of the case.*



5. Carefully connect Raspberry Pi® 5 with PCIe Pipe Flat Flex cable to the **Argon NEO 5 M.2 NVMe Carrier Board Case**. Flip up cover on M.2 NVME Expansion Board

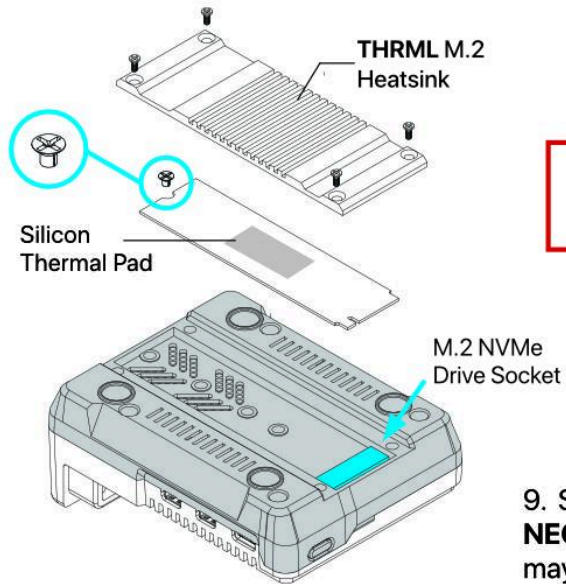


6. Place the **Argon NEO 5 M.2 NVMe** bottom cover. Make sure that you have inserted the SD Card, if you need it, before placing the bottom cover.



7. Secure the bottom cover with 4 screws as shown in the image.

8. Connect your **M.2 NVMe Drive** to the **Argon NEO M.2 NVMe Carrier Board**. This Board will accept **M.2 Key B** and **M.2 Key B+M SATA** Storage Drive.

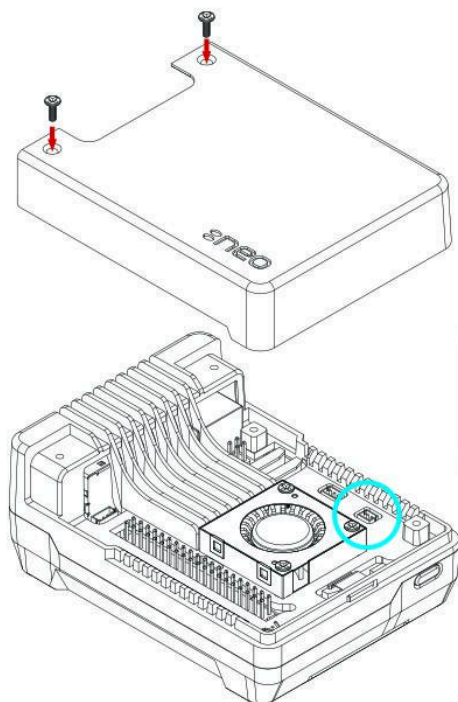


\*This Board is **NOT compatible** with **M.2 SATA** Storage Drives.

9. Secure your **M.2 Drive** to the **Argon NEO M.2 NVMe Expansion Board**. You may move the screw point on the Board to the appropriate size of your Storage Drive.



10. Secure the Aluminum Top Cover with 2 screws for a more seamless look.



*If you have an RTC Battery, connect to the port and stick to the NEO 5 cover before securing screws.*

## ARGON NEO 5 M.2 NVMe AUTO SETTINGS SCRIPT

**STEP 1:** Configure the EEPROM Setting to optimize power and boot from NVMe 1. Connect to the Internet and execute in the Terminal.

```
curl https://download.argon40.com/argon-EEPROM.sh | bash
```

2. Reboot.

**STEP 2:** Install the Argon Control Script and Config.txt Settings 1. Connect to the Internet and execute in the Terminal.

```
curl https://download.argon40.com/argonneo5.sh | bash
```

2. Reboot.

### UNINSTALL

You may also remove the script via "Terminal" by typing:

```
argonone-uninstall
```

Always reboot after changing any configuration or uninstallation for the revised settings to take effect.

For more detailed instructions follow the link below:

<https://argon40.com/blogs/argon-resources>

## EXPLAINING THE AUTOMATED SETTINGS IN THE ARGON NEO 5 SCRIPT

The **ARGON NEO 5 Script** automates the configuration in the EEPROM and Config settings necessary for the optimal use of the **Argon NEO 5 NVMe Carrier Board** with the **Raspberry Pi 5**.

Below are the SETTINGS that were automated by the **Argon NEO 5 Script**.

	<b>EEPROM Config</b>	<b>config.txt</b>
<b>Argon NEO 5 Power Savings</b>	BOOT_UART=1 WAKE_ON_GPIO=0 POWER_OFF_ON_HALT=1	usb_max_current_enable=1
<b>Argon NEO 5 M.2 NVME PCIE</b>	BOOT ORDER=0xf416 PCIE_PROBE=1	dtparam=nvme dtparam=pciex1_1=gen3

## RECOMMENDED POWER SUPPLY

**Argon PWR GaN USB-C PD 27W** or Official Raspberry Pi® 27W USB-C Power Supply



For more information please visit: <https://argon40.com/blogs/argon-resources>

Customer service: [cs@argon40.com](mailto:cs@argon40.com) | Sales inquiries: [sales@argon40.com](mailto:sales@argon40.com) | <https://www.argon40.com>