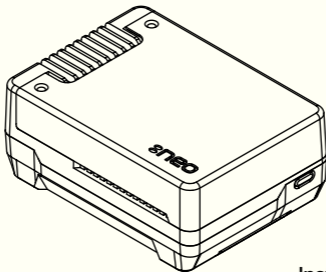


Argon NEO 5 M.2 NVMe

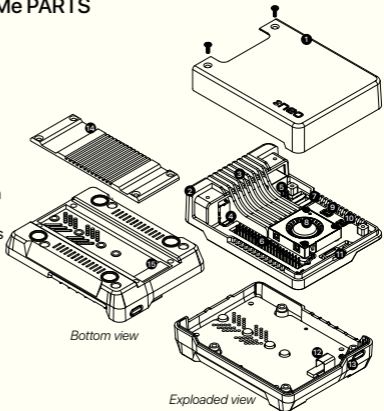
Designed for  Raspberry Pi 



Instruction Manual

ARGON NEO 5 M.2 NVMe PARTS

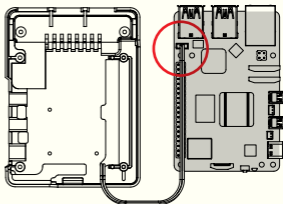
- 1 Aluminum Top Cover with screw points
- 2 Aluminum Case
- 3 Cooling fins and Exhaust vent
- 4 Fan port access
- 5 POE HAT connection
- 6 GPIO access
- 7 MIPI ports access
- 8 30mm PWM Blower-type Fan
- 9 UART connector
- 10 RTC battery connector access
- 11 PCIe port access
- 12 PCIe Film Strip
- 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.

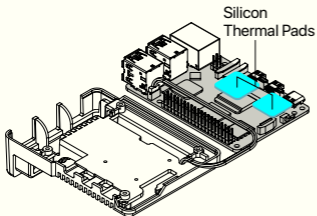
Be Careful NOT to BEND the PINS in the RPi5 FAN PORT.



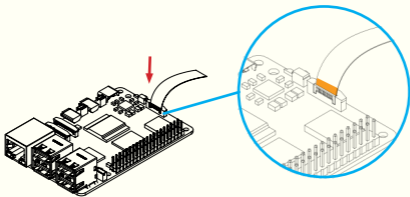
Aluminum Case
Bottom View

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



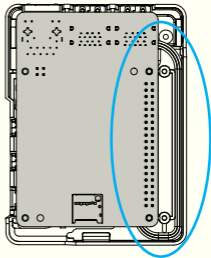
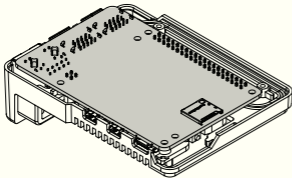
3. Connect the PCIe Pipe Flat Flex Cable to the Raspberry Pi® 5 PCIe port.
Be careful when handling brown PCIe flip/cover. Pull up the brown flip to release lock.



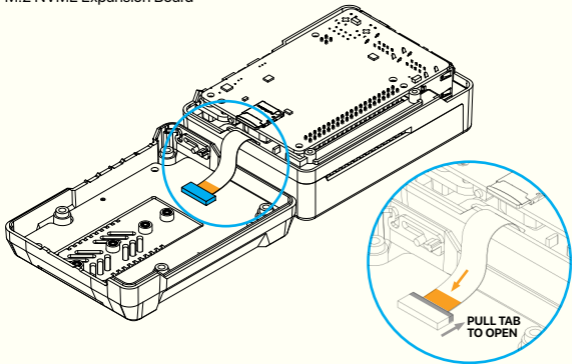
Copper side of the strip should be facing the white side of the PCIe connector of the Raspberry Pi® 5.

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

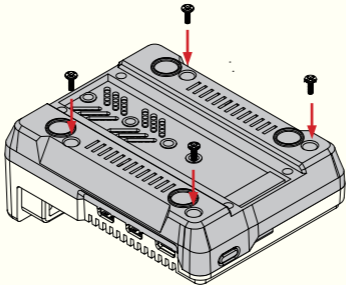
Make sure that the FAN wire is secured in the guide rail at the side of the case.



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

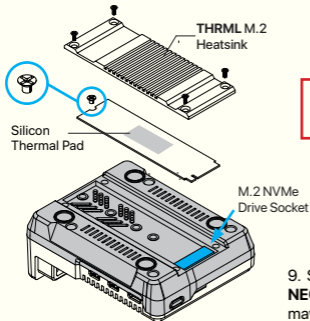


6. Place the **Argon NEO 5 M.2 NVMe** bottom cover. Make sure that you have inserted the SD Card, if you need it, before placing the bottom cover.



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

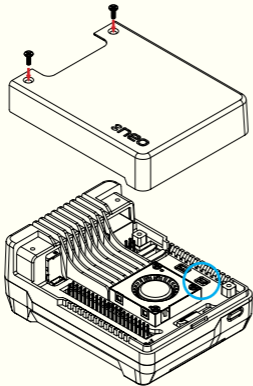
8. Connect your **M.2 NVMe Drive** to the **Argon NEO 5 M.2 NVMe Carrier Board**. This Board will accept **M.2 Key M** and **M.2 Key B+M** NVMe Storage Drive.



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

9. Secure your **M.2 Drive** to the **Argon NEO 5 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, make sure Raspberry Pi Time is updated and execute in the Terminal.

```
curl https://download.argon40.com/argon-eprom.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 M.2 NVMe Carrier Board** with the **Raspberry Pi 5**.

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

	EEPROM Config	config.txt
Argon NEO 5 Power Savings	BOOT_UART=1 WAKE_ON_GPIO=0 POWER_OFF_ON_HALT=1	usb_max_current_enable=1
Argon NEO 5 M.2 NVME PCIE	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 | Sales inquiries: sales@argon40.com | <https://www.argon40.com>

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