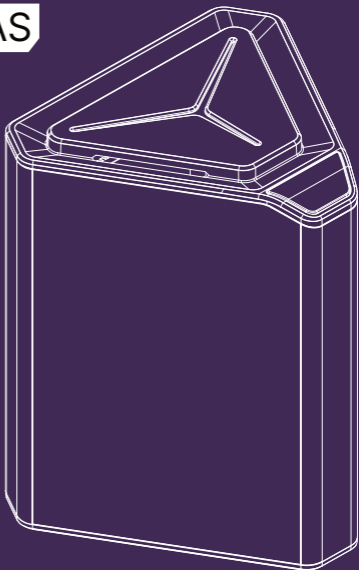


Argon

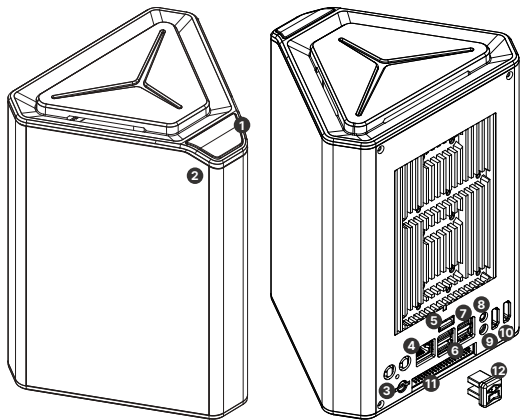


EDON

Pi NAS

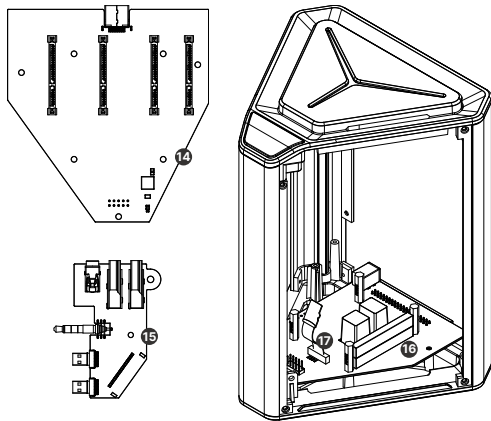


# ARGON EON PARTS



## EXTERNAL

- 1 Multi-function Power Button with OLED Screen and IR Receiver
- 2 2x Magnetic Side Panels
- 3 TF Card Slot (Push to eject)
- 4 RPi LAN Port
- 5 EON SATA USB3 Port
- 6 2x RPi USB3 Ports
- 7 2x RPi USB 2 Ports
- 8 3.5 mm Audio Port
- 9 12 Volt Power IN
- 10 2x Type A HDMI IN
- 11 40 PIN GPIO
- 12 Argon USB3 Bridge
- 13 Argon 12 Volts Power Supply (Not in picture)

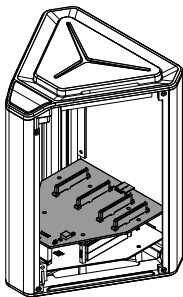


## INTERNAL

- 14 EON 4-Bay SATA Board
- 15 EON HDMI Daughter Board
- 16 EON Power Board with RTC
- 17 TF CARD Extender Strip

# ASSEMBLY INSTRUCTIONS

You will receive the unit pre-assembled with a "dummy Raspberry Pi Board" that shows you the proper placement of the Raspberry Pi, HDMI Daughter Board, and the 4-Bay SATA Board



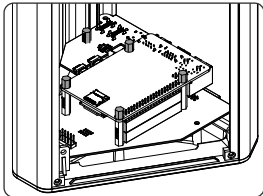
1. Remove the 2 Magnetic Side Panels.

2. Disassemble the 4-Bay SATA Board by removing the screws.

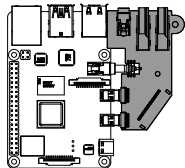
3. Remove the hex risers using the provided HEXY screwdriver.

You can use the screwdriver handle only to remove the hex screws.

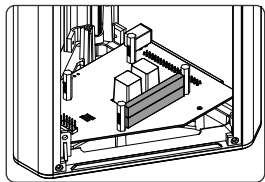
4. Remove Screw on the HDMI Daughter Board.



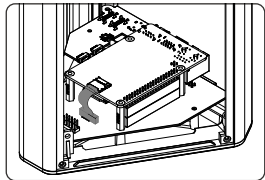
5. Connect the HDMI Daughter Board to your Raspberry Pi 4 and stick the Silicon Thermal Pads.



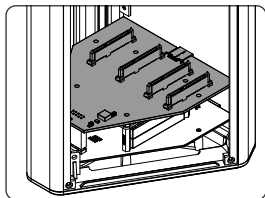
6. Carefully connect the RPi-HDMI Assembly to the female 40-Pin slot in the EON Power Board.



7. Connect the Micro TF Card Extender Strip to your Raspberry Pi 4.

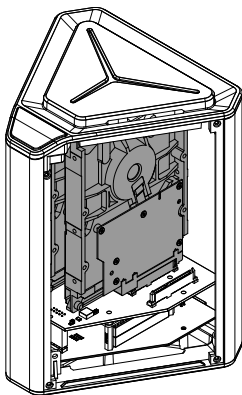


8. Return the hex risers to hold your Raspberry Pi 4 in place. Then screw back on top the 4-Bay SATA Board.



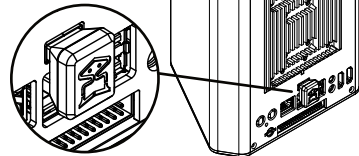
9. You may now slot in your SATA HDDs.

**Note: Black Screws for 2.5 Inch HDD**



10. Please make sure that you secure your HDDs with the corresponding screw holes at the back of the Argon EON Case.

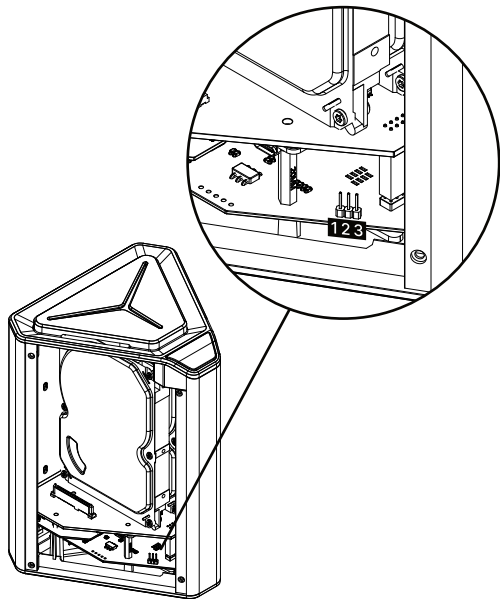
11. Connect the **Argon USB3 Bridge** to the back of the case.



12. Select the **Argon EON Power Management Mode**:

JUMPER PIN SETTING	MODE	BEHAVIOUR
Pin 1-2	Default Setting (Mode 1)	You need to PRESS button to Power ON from shutdown or power outage.
Pin 2-3	Always ON (Mode 2)	Power current will flow directly to Raspberry Pi. NO need to PRESS button to power ON from power outage

# ARGON EON JUMPER PIN SETTING



## INSTALLATION OF ARGON EON (1) POWER BUTTON, (2) FAN CONTROL, (3) IR RECEIVER, (4) OLED DISPLAY and (5) RTC FUNCTION

1. Install your Raspberry Pi OS
2. Connect to the INTERNET
3. Open "Terminal" in the Raspberry Pi OS
4. Type the text below in the "Terminal" to initiate the installation of the Argon EON script and configuration software.

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

5. Reboot.

## ARGON EON POWER BUTTON FUNCTIONS

The process above will automatically install the configuration that will activate the Argon EON Power Button with the following functions.

ARGON EON STATE	ACTION	FUNCTION
OFF	Short Press	Turn ON
ON	Long Press ( $\geq 3$ s)	Soft Shutdown and Power Cut
ON	Short press ( $< 3$ s)	Nothing
ON	Double tap	Reboot
ON	Long Press ( $\geq 5$ s)	Forced Shutdown

## ARGON EON DEFAULT FAN SPEED

Upon installation of the Argon EON script by default, the settings of the Argon EON cooling system are as follows:

CPU TEMP	FAN POWER
55 C	10%
60 C	55%
65 C	100%

## ARGON EON CONFIGURATION

To enter, type in the "Terminal". Follow the instructions to set your desired configuration.

```
argon-config
```

You may configure the following in ARGON EON CONFIGURATION:

- (1) FAN CONTROL
- (2) IR RECEIVER
- (3) OLED DISPLAY
- (4) RTC FUNCTION

## RECOMMENDED OPERATING SYSTEM INSTALLATION

1. Install **Raspbian Lite** in your microSD Card / TF Card. You can download the image in the link below:

<https://www.raspberrypi.com/software/operating-systems/#raspberrypi-os-32-bit>

2. After installation, make sure that you have the latest updates. Setup network and connect to the **Internet**.

3. Execute the following commands in your **Terminal**.

```
sudo apt update
sudo apt upgrade
```

4. OpenMediaVault Created a one-line installation script to automate the installation process. Just execute the command below in **Terminal**.

```
wget -O -
https://raw.githubusercontent.com/OpenMediaVault-
Plugin-Developers/installScript/master/install | sudo bash
```

5. Reboot.

# FIRST TIME ACCESS TO OPEN MEDIA VAULT (OMV)

1. After reboot you may now access your **Argon EON** with OMV from another PC in your network. You will just need to know the local IP Address of **Argon EON**. You can do this by typing the command below in **Terminal**

```
hostname -I
```

2. You can access OMV via web browser by typing the address in your browser.

[http://\[RASPBERRYPI:EON:IP:ADDRESS\]](http://[RASPBERRYPI:EON:IP:ADDRESS])

3. To login, the default username is **admin**, and default password is **openmediavault**.

4. You can now set your desired configuration in your OMV.

5. We highly recommend that you change the default password immediately. You can do this in the **General Settings** found in the side bar.

6. We suggest enabling SSH and SAMBA/CIFS in order the share access to your SHARED FOLDERS

7. You may read more detailed features of OMV in the link below:

<https://openmediavault.readthedocs.io/en/latest/>

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For more details and instructions about Argon EON Pi NAS please visit:

<https://www.argon40.com/learn>

cs@argon40.com | [www.argon40.com](http://www.argon40.com)