

# SBC Comparison

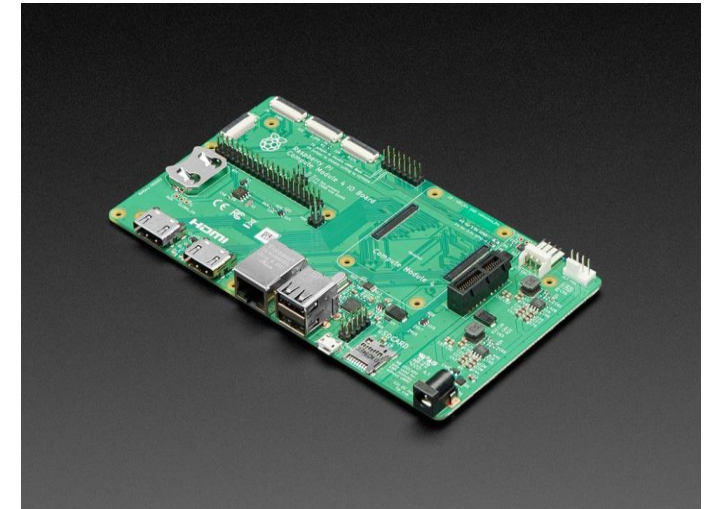
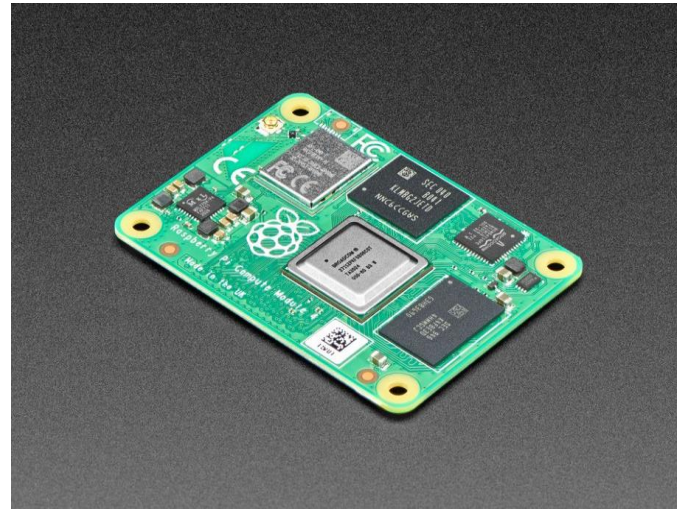
Travis Applegate

# Updates First

- Dry Air (Pressure Regulator & Airflow Sensor)
- Liquid Nitrogen Blower
- Ribbon Cable and Breakout Board
- Power Supply
- Oscilloscope

# Raspberry Pi (4, 4CM)

- Normally \$35-90
- Available secondhand only for \$150-350
- Linux Based, official imager
- 1-8GB ram, uSD storage
- Great company and community support
- High Level Languages
- Add-on boards/USB expandable
- Analog added (\$12)
- Digital Pins
- 5V, 3A Power (USB-C)



# Orange Pi 4B

- Available for \$120
- Linux, Android, official images
- 4GB ram, onboard storage and uSD
- Okay company and community support
- Some add-on boards/USB expandable
- High Level Languages
- Analog added (\$12)
- Digital Pins
- 5V, 3A Power (Barrel or USB-C)





# Adafruit Grand Central

- \$40 (Available July 29)
- Arduino software sketches, official IDE
- Minimal RAM and storage, uSD
- Great company and community support
- Add-on boards/expandable
- Close to Hardware
- 16 Analog in
- 70 GPIO
- 7-12V input nominal, 500mA draw

