

Raspberry Pi Temperature Info

If your Raspberry Pi CPU is running around 120°F, that's actually pretty normal 🍷

Let's translate that first:

- 120°F ≈ 49°C

Typical Raspberry Pi CPU Temperatures

Here's the usual ballpark:

Condition	Temp
Idle / light use	95–120°F (35–50°C)
Moderate load	120–140°F (50–60°C)
Heavy load	140–165°F (60–74°C)
Throttling starts	~176°F (80°C)

So 120°F (≈49°C) means:

- ✓ Totally safe
- ✓ Pretty typical
- ✓ Not even close to overheating

What the Temperature Means

The Pi's CPU temperature mainly depends on:

1. **CPU workload** – compiling code, running SDR or ham radio software, etc.
2. **Ambient room temperature**
3. **Cooling** – case, heatsinks, or a fan
4. **Which model Pi** (some run warmer)

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For example:

- **Raspberry Pi 4** tends to run hotter than earlier models.
- **Raspberry Pi 3 Model B+** runs a little cooler.

When You Should Worry

Only if you start seeing:

- **170°F+ (≈77°C)** regularly
- **176°F (80°C)** → the Pi begins **thermal throttling** (slows down CPU to cool itself)

Quick Ham-Radio Angle

Since a lot of folks use Pis for things like:

- **WSJT-X**
- **FLDigi**
- **Pi-Star**

...those loads often keep temps in the **115–135°F range**, which is still perfectly fine.

Bottom line:

120°F is a healthy, normal Raspberry Pi CPU temperature.