

How to Deploy OpenClaw on Orange Pi 4Pro, Zero3 and Zero2W

1. OPi 4Pro

```
Orangepi4pro_1.0.6_ubuntu_jammy_desktop_xfce_linux5.15.147.7z
```

2. OPi Zero 3

```
Orangepizero3_1.0.4_ubuntu_jammy_desktop_xfce_linux6.1.31.7z
```

3. OPi Zero 2W

```
Orangepizero2w_1.0.2_ubuntu_jammy_desktop_xfce_linux6.1.31.7z
```

Note: Deploying OpenClaw on Orange Pi boards based on Allwinner SoCs requires a version with at least 4GB of RAM.

Deployment Steps

1. Start the container.

```
docker run --name openclaw -it -d \  
  -p 18789:18789 \  
  -v /tmp:/tmp \  
  -v /usr/share/zoneinfo/Asia/Shanghai:/etc/localtime \  
  swr.cn-north-4.myhuaweicloud.com/toolsmanhehe/openclaw:2026.2.6-3-py310-ubuntu22.04-aa  
rch64
```

2. Check the OpenClaw logs. Under normal circumstances, the following log messages should appear.

```
docker logs -f openclaw
```

```
♥ OpenClaw 2026.2.6-3 (85ed6c7) – Automation with claws: minimal fuss, maximal pinch.  
06:26:39 [canvas] host mounted at http://0.0.0.0:18789/___openclaw___/canvas/ (root /root/.openclaw/canvas)  
06:26:39 [heartbeat] started  
06:26:39 [gateway] agent model: anthropic/claude-opus-4-6  
06:26:39 [gateway] listening on ws://0.0.0.0:18789 (PID 13)  
06:26:39 [gateway] log file: /tmp/openclaw/openclaw-2026-02-09.log  
06:26:39 [browser/service] Browser control service ready (profiles=2)
```

3. Install a browser on the development board, such as Firefox (other browsers can also be used).

```
sudo apt update
```

```
sudo apt install firefox -y
```

4. Model configuration - here we take Qwen as an example.

```
docker exec -it openclaw openclaw configure
```

◇ Where will the Gateway run?

| Local (this machine)

|

◇ Select sections to configure

| Model

|

◇ Model/auth provider

| Qwen

|

◆ Qwen auth method

| ● Qwen OAuth

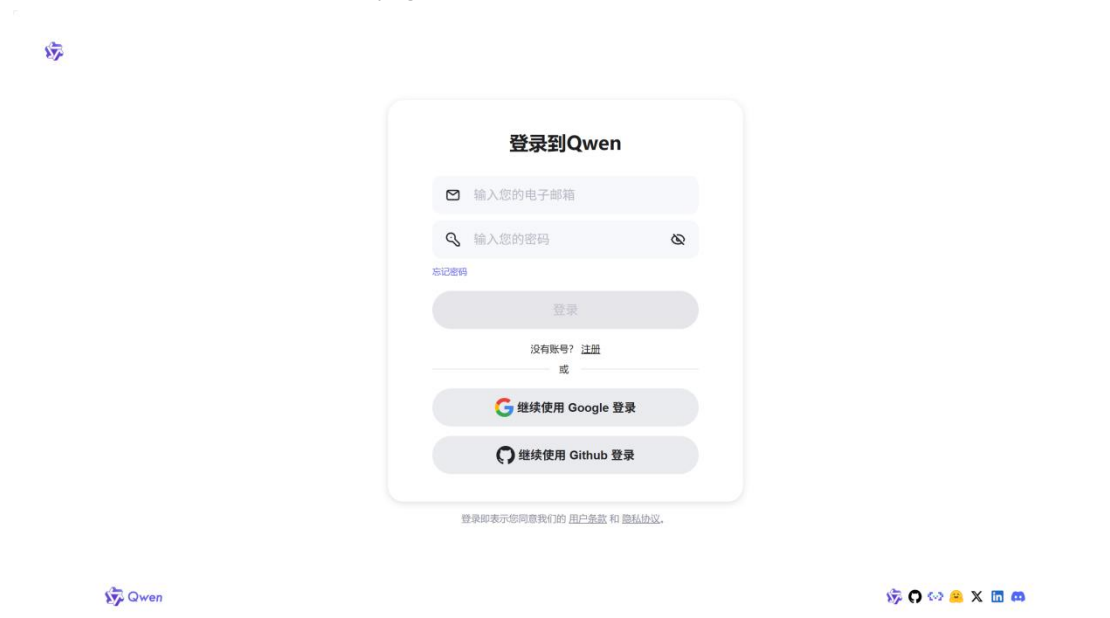
```
Starting Qwen OAuth...
```

```
Qwen OAuth
```

```
Open https://chat.qwen.ai/authorize?user_code=ZFXZAUUI&client=qwen-code to approve access.  
If prompted, enter the code ZFXZAUUI.
```

```
Starting Qwen OAuth....
```

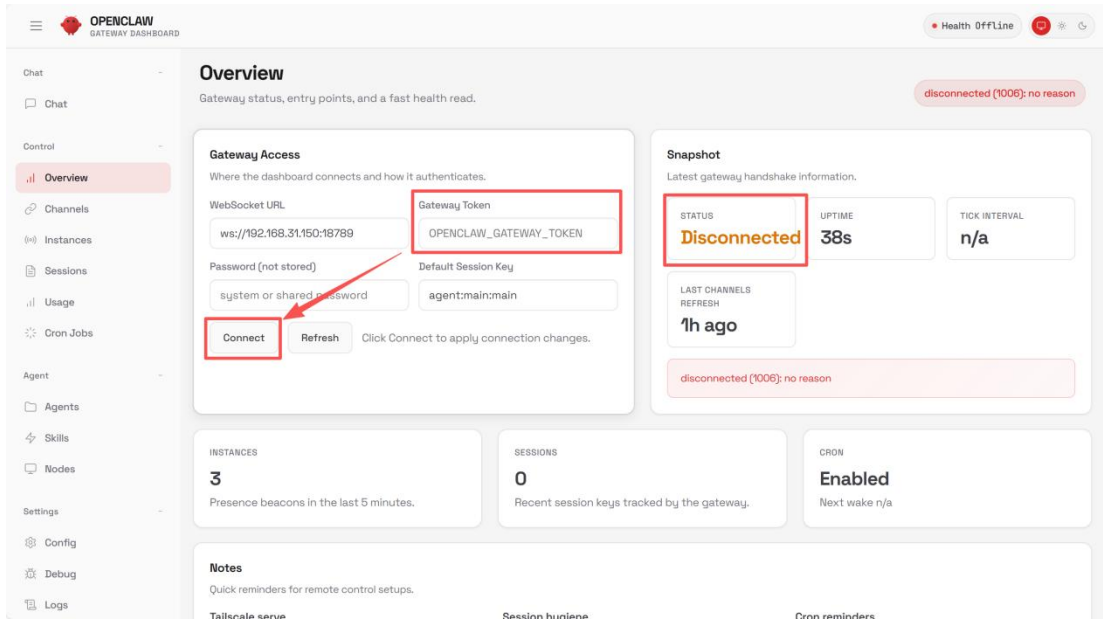
5. Under normal circumstances, a browser window will automatically pop up and redirect you to the Qwen authorization page.



6. Logn in your own account and complete the authorization

7. Then restart the service to make the configuration take effect.

```
docker restart openclaw
```

12. Once the Status is confirmed to be Connected, you can start a conversation.

