

GMKTec EVO-X2

128GB RAM + 2TB SSD + Ryzen AI MAX+ 395

Neue Firmware

https://strixhalo.wiki/Hardware/Boards/Sixunited_AXB35/Firmware

BIOS: **1.11 20251017** [AXB35-02_GMK_SW1.11_20251017.zip](#)

EC Firmware: **1.08** [EC-AXB35-02-1.08.zip](#)

Linksammlung

https://www.reddit.com/r/MiniPCs/comments/1mptl53/gmktec_evox2_amd_ryzen_ai_max_395_mini_pc_with/

https://www.reddit.com/r/LocalLLaMA/comments/1le951x/gmk_x2amd_max_395_w128gb_first_impressions/

https://www.reddit.com/r/GMKtec/comments/1ldtnbl/new_firmware_for_evox2_bios_105_ec_106/

<https://github.com/ollama/ollama/issues/12342> <

<https://github.com/ollama/ollama/issues/12062>

https://www.reddit.com/r/ollama/comments/1nt5fcr/how_do_i_get_ollama_to_use_the_igpu_on_the_amd_ai/

AMD-Treiber installieren

Mit folgendem Tipp auf

https://www.reddit.com/r/ollama/comments/1nt5fcr/how_do_i_get_ollama_to_use_the_igpu_on_the_amd_ai/

auf folgenden Kommentar gestoßen

<https://www.reddit.com/r/ollama/comments/1nt5fcr/comment/ngshfbr/>

“ joseph_sellers

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2mo ago

I am on a different stack (but same device). I am on Ubuntu 25.04, and using Docker, but I have Ollama working great.

I found an AMD APU specific fork of Ollama:

<https://github.com/rjmalagon/ollama-linux-amd-apu>

On that fork, there is an open issue where someone says they have figured out how to get Ollama working on the exact device I am using:

<https://github.com/rjmalagon/ollama-linux-amd-apu/issues/24>

They have created a fork, of the fork, with the fix they found:

<https://github.com/phueper/ollama-linux-amd-apu>

Hopefully there are some clues there to help you get up and running on your setup.

dann auf <https://github.com/rjmalagon/ollama-linux-amd-apu?tab=readme-ov-file#check-amount-of-gtt-memory> gekommen und folgendes cmd überprüft:

```
sudo dmesg | grep "amdgpu"
```

danach ist mir aufgefallen, dass der init der amdgpu nicht geklappt hat:

amdgpu: Fatal error during GPU init

```
evo@evo-x2:~$ sudo dmesg | grep "amdgpu*"
[ 4.219015] [drm] amdgpu kernel modesetting enabled.
[ 4.220455] amdgpu: Virtual CRAT table created for CPU
[ 4.220464] amdgpu: Topology: Add CPU node
[ 4.220564] amdgpu 0000:c5:00.0: enabling device (0006 -> 0007)
[ 4.223501] amdgpu 0000:c5:00.0: amdgpu: Fatal error during GPU init
[ 4.223829] amdgpu 0000:c5:00.0: amdgpu: amdgpu: finishing device.
[ 4.223879] amdgpu: probe of 0000:c5:00.0 failed with error -22
```

also unter <https://www.amd.com/en/support/download/linux-drivers.html> aktuellste Treiber für mein Ubuntu 24.04.03 heruntergeladen

```
sudo -i
wget https://repo.radeon.com/amdgpu-install/30.20.1/ubuntu/noble/amdgpu-install_7.1.1.70101-1_all.deb
chmod +x ./amdgpu-install_7.1.1.70101-1_all.deb
apt install ./amdgpu-install_7.1.1.70101-1_all.deb
amdgpu-install
reboot
```

danach

```
sudo dmesg | grep "amdgpu.*memory"
```

```
evo@evo-x2:~$ sudo dmesg | grep "amdgpu.*memory"
[ 3.669511] amdgpu 0000:c5:00.0: amdgpu: amdgpu: 1024M of VRAM memory ready
[ 3.669525] amdgpu 0000:c5:00.0: amdgpu: amdgpu: 63718M of GTT memory ready.
```

Richtiges Ollama Dockerimage wählen

Für AMD GPUs muss das ROCm Image verwendet werden:

<https://hub.docker.com/r/ollama/ollama/tags?name=rocm>

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