

Flux.2 Model Variations and Encoder Cheatsheet

[The Flux.2 Guide: Installation, Settings, How It Works](#)

Models (as of August 2026)				Checkpoints		
Precision	GB	Steps	Rec. VRAM	Filename	Source	Download

Dev Safetensors

BF16	64	20-50	> 64 GB	flux2-dev.safetensors	Black Forrest Labs	Repository
FP8	35	20-50	32 GB	flux2_dev_fp8mixed.safetensors	Comfy-Org	Repository
NVFP4	23	20-50	NVIDIA 50xx	flux2-dev-nvfp4.safetensors	Black Forrest Labs	Repository

Dev Encoder

VAE	0,3			flux2-vae.safetensors	Comfy-Org	Repository
Mistral 3 Text-Encoder BF16	36			mistral_3_small_flux2_bf16.safetensors	Comfy-Org	Repository
Mistral 3 Text-Encoder FP8	18			mistral_3_small_flux2_fp8.safetensors	Comfy-Org	Repository
Mistral 3 Text-Encoder FP4	12			mistral_3_small_flux2_fp4_mixed.safetensors	Comfy-Org	Repository

Klein Safetensors

9B BF16	18	20-50	32 GB	flux-2-klein-9b.safetensors	Black Forrest Labs	Repository
9B FP8	9	20-50	16 GB	flux-2-klein-9b-fp8.safetensors	Black Forrest Labs	Repository
9B FP8 KV	9	20-50	16 GB	flux-2-klein-9b-kv-fp8.safetensors	Black Forrest Labs	Repository
4B BF16	8	20-50	12 GB	flux-2-klein-4b.safetensors	Black Forrest Labs	Repository
4B FP8	4	20-50	> 8 GB	flux-2-klein-4b-fp8.safetensors	Black Forrest Labs	Repository

Klein Encoder

VAE	0,3			flux2-vae.safetensors	Comfy-Org	Repository
Text-Encoder for Klein 9B						
Qwen Text-Encoder 8B BF16	16			qwen_3_8b.safetensors	Comfy-Org	Repository
Qwen Text-Encoder 8B FP8	9			qwen_3_8b_fp8mixed.safetensors	Comfy-Org	Repository
Qwen Text-Encoder 8B FP4	7			qwen_3_4b.safetensors	Comfy-Org	Repository
Text-Encoder for Klein 4B						
Qwen Text-Encoder 4B BF16	8			qwen_3_4b.safetensors	Comfy-Org	Repository
Qwen Text-Encoder 4B FP4	4			qwen_3_4b_fp4_flux2.safetensors	Comfy-Org	Repository

GGUF

Dev GGUF Q2 – Q8	13-35	1-4 (max. 8)	16-32 GB	flux2-dev-Q2_K – Q8_0.gguf	city96	Repository
Klein GGUF Q2 – Q8	2-4	1-4 (max. 8)	8-13 GB	flux-2-klein-4b-Q2_K – Q8_0.gguf	unsloth	Repository