

CR100 AI Inference & Fine-tuning Server

CR100 Server is a dedicated AI reference and fine-tuning server with up to 16 lluvatar MR100 GPU. Suitable for large language models reference and fine-tuning, computer vision, etc. Assembled and provisioned by PerfXLab. It supports mixed-precision inference with FP32, FP16, and INT8, achieving instruction set enhancements, increased computational density, and rebalanced compute and storage.



Key Performance Benchmarks:

- **CUDA Compatibility:** CUDA-compatible, the CR100 16-card MR100 server supports most industrial-standard AI libraries and functions.
- **PerfXAPI and PerfXLM:** Heterogeneous computing framework and the special framework drastically lowered the users' cost of acquiring hardware, from 5~50%. Constantly updated massive operation instance library, work together with customers to enter the era of computing power.

PerfXLab specializes in accelerated computing technology and solutions. Founded in 2016, with its core team originating from the Chinese Academy of Sciences, PerfXLab focuses on developing accelerated computing technology, across the fields heterogeneous computing software stack and Artificial Intelligence (AI) infrastructure solutions.

PerfXLab offers comprehensive AI infrastructure solutions based on their cutting-edge technology including PerfXAPI (A heterogeneous computing software stack that incorporates industry-standard technologies for building computing hardware platforms, supporting technologies like PerfMPL, oneAPI, OpenCL, SYCL, ONNX runtime, and OpenCV), PerfMPL (A set of key mathematical libraries including BLAS, FFT, IPP, and MATH, optimized for various processor architectures like ARM, RISC-V, and x86, as well as accelerators like NPU, GPU, and DPU) and PerfXCloud (An AI development and deployment platform crafted by PerfXLab for developers and businesses. It specializes in satisfying the fine-tuning and inference needs of large models, providing users with an extremely convenient one-click deployment experience. PerfXCloud provides computing centers with comprehensive operational solutions for large model AI, science, and engineering calculation, assisting them to upgrade into "AI super factories").

Authorized Global Distributor of PerfXLab

International Communication Instrument Co., Ltd. (ICI)

Official website: www.ici-cn.com

Mr. **Ivan Li**

Engineering & Services Director

Mobile: +86 182 1062 0806

Email: ivan@ici-cn.com

PerfXLab

Official website: www.perfxlab.com

Mr. **Weidong Gao**

SVP, Global Sales

Mobile: +86 186 0113 7168

Email: gaoweidong@perfxlab.com