

CT100 AI Training Server: A High-Performance AI Training Server

The CT100 Server is a high-performance AI training server that supports up to 8 GPU accelerator cards, assembled and provisioned by PerfXLab. It offers an ideal solution for both intelligent and general-purpose computing. With an architecture that boasts independent intellectual property rights, it delivers powerful high-precision and multi-precision hybrid computing capabilities. Its integrated computing and memory design makes it a versatile computing engine for the intelligent era. This server is well-suited for large models, intelligent computing, data centers, general-purpose computing, education, and research applications.



Key Performance:

- **CUDA Compatibility:** CUDA-compatible, the CT100 8-card MetaX C-Series GPGPU 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

Email: ivan@ici-cn.com

PerfXLab

Official website: www.perfxlab.com

Mr. **Weidong Gao**, SVP, Global Sales

Email: gaoweidong@perfxlab.com