ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Dual-GPU AI Server



Overview

This article dives into why a purpose-built EdgeAI machine can outperform traditional cloud solutions and provides a step-by-step guide to building a powerful, dual-GPU system. Why Go Local?

When faced with the need for serious GPU power, many people's first thought is to rent it. Getting your own multi-GPU EdgeAI server isn't just a fun project; it's a smart investment. AAEON's MAXER-5100 is the world's smallest industrial-grade AI inference server, uniquely equipped with 14th Gen. Organizations today require High Performance Servers specifically designed to handle GPU-accelerated computing. This guide explains how to build a scalable, reliable, and efficient Server with GPU capabilities — tailored for AI training, inference, simulation, and data-intensive research. BIZON offers the most advanced NVIDIA GPU servers for AI/ML, training, inference, deep learning, data science. Optimized for AI training, inference, LLMs, and generative AI. Pre-installed with AI/ML software stack (PyTorch, TensorFlow, CUDA). For most deep learning training and large language model workloads, a dual-socket server with four or eight high-end GPUs (like NVIDIA.



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Article Content

Building an Efficient EdgeAI Server: A Guide to Dual

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Power AI at Scale with NVIDIA MGX™ AI Servers

NVIDIA MGX is a modular server architecture built to power AI, HPC, and cloud-scale workloads. With flexible support for multiple generations of CPUs and

MAXER-5100: The World''s First 8L Dual-GPU AI

AAEON''s MAXER-5100 is the world''s smallest industrial-grade AI inference server, uniquely equipped with 14th Gen Intel® Core™ processing, two integrated

Building a High-Performance GPU Server for AI Workloads

This guide explains how to build a scalable, reliable, and efficient Server with GPU capabilities — tailored for AI training, inference, simulation, and data-intensive research environments.

NVIDIA GPU Servers for AI, Inference, Training, HPC

With the power of NVIDIA H200, H100, A100, B200, B300, RTX PRO 6000 Blackwell GPUs, you can quickly and easily train your models and get real-time

Best GPU Servers for AI & ML in 2026: Complete

Step-by-step guide to deploying AI models on GPU servers. Improve inference speed, optimize performance, and streamline your AI workflows.

How to Choose the Best AI Server with Multiple GPU for Your Workload

Learn what to look for in an AI server with multiple GPU setups—performance, scalability, and cost considerations for deep learning and AI training.

Powering AI Innovation with GPU-Ready Workstations and Servers

Lanner offers a comprehensive portfolio of GPU-ready platforms, ranging from rugged edge workstations to high-density 1U and 2U GPU servers. Purpose-built for scalability, these

AAEON Unveils World''s First 8L Dual-GPU AI Inference

Leading provider of advanced AI solutions AAEON has released a new addition to its AI Inference Server product line, the MAXER-5100 - the

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Train dense deep neural networks and achieve state-of-the-art results. Execute AI workloads with a turnkey Exxact GPU Server powering your every need.

ESC4000A-E12 | ASUS Servers

ESC4000A-E12 is a 4th Gen AMD EPYC™ one-socket 2U GPU server designed for AI, HPC, research, data analytics with four dual-slot GPUs, PCIe 5.0 expansion

Procurement of AI Servers GPU Node

Pakistan State Oil Company Limited (PSO) Karachi is procuring advanced AI Servers (GPU Node) to enhance its AI infrastructure. This procurement involves a high-performance 2U rack

AMD EPYC Workstation Computers and Servers

AMD EPYC 9004, 9005 servers and workstation PCs are the ultimate computing solution for businesses and professionals who demand high-performance and

All NVIDIA RTX Pro Blackwell GPUs Explained: Which

The RTX Pro 6000 Blackwell represents the flagship of NVIDIA''s professional Blackwell GPU lineup. While other RTX Pro Blackwell GPUs address a wide

AMD Instinct MI350P: Enterprise PCIe AI Inference Returns to

AMD has announced the Instinct MI350P, a PCIe accelerator aimed at enterprises that want on-premises AI inference without rebuilding their data center. The card is a dual-slot, full-height,

Advantech Unveils AI GPU Servers with NVIDIA RTX

The server supports multiple NVIDIA GPUs, including RTX 6000 Ada, RTX 4000 SFF Ada, and L4/L40, ensuring scalability. With dual M.2 PCIe 5.0

AMD Launches MI350P, Its First PCIe “Instinct” In Four Years

AMD has announced its brand new Instinct MI350P PCIe GPU accelerator, which is the first PCIe design in years and is aimed at AI workloads.

Supermicro 5U PCIe GPU Servers Using AMD Instinct™ MI350P GPUs

Supermicro 5U PCIe GPU servers with AMD Instinct MI350P GPUs offer ready-to-deploy enterprise AI. Scale generative and agentic AI workloads with up to 10 GPUs in existing racks.

RTX PRO 6000 Blackwell Workstation Edition | NVIDIA

Overview The Ultimate AI and Graphics Performance The NVIDIA RTX PRO™ 6000 Blackwell Workstation Edition is the most powerful desktop GPU ever created,

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The April 2026 AI GPU Landscape: From $349 to $16,500, Which

Scales to the Server and Flagship tiers with up to 8 full-height GPUs — including the Intel Arc Pro B60 Dual for 48GB-per-card pricing unavailable anywhere else.

Beelink GTR9 Pro Mini PC Launched: 140W AMD

Beelink has just launched its fastest Mini PC to date, the GTR9 PRO, equipped with AMD''s Ryzen AI MAX+ 395 APU & a $1985 price tag.

MSI Accelerates Enterprise AI with NVIDIA MGX Servers and DGX ...

Scalable AI Infrastructure Built on NVIDIA MGX Architecture Leveraging the modular design of NVIDIA MGX architecture, MSI has developed a comprehensive portfolio of 4U and 6U

Building an Efficient EdgeAI Server: A Guide to Dual-GPU Setups

Learn why building a multi-GPU EdgeAI server is a smart investment. Get the benefits of local processing with our step-by-step

Data center semiconductor trends 2025: Artificial

GPUs remain the cornerstone of AI infrastructure, with Nvidia capturing 93% of the server GPU revenue in 2024. Yole Group, the market

NVIDIA Blackwell Ultra "GB300" GPU, The Fastest AI

NVIDIA has provided an in-depth look at its fastest chip for AI, the Blackwell GB300, which is 50% faster than GB200 & packs 288 GB memory.

AI Server Market Size And Share | Industry Report, 2033

The global AI server market size was estimated at USD 131.65 billion in 2025 and is projected to reach USD 598.12 billion by 2033, growing at a CAGR of 21.2%

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AMD Radeon AI PRO R9700 Linux Performance For

With the AMD Radeon AI PRO R9700, ROCm 7.0.2 was working out great. For today''s testing the focus was on the vLLM performance of the AMD

NVIDIA RTX PRO 6000 Blackwell Series

NVIDIA Blackwell RTX PRO Comes to Workstations and Servers for Designers, Developers, Data Scientists, and Creatives to Build and Collaborate With Agentic

Optimizing AI Workloads on Dell PowerEdge Servers: GPU, BIOS ...

Optimize Dell PowerEdge AI workloads with GPU configuration, BIOS tuning, NUMA locality, and smart use of refurbished servers for performance gains.

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