

AI Server 4-way



Overview

It supports up to 8x dual-slot GPUs and is capable of hosting 8x NVIDIA H200 NVL with 4-way NVLink™ bridges—ideal for training large AI models, simulations, and generative workloads. With 32 DDR5 RDIMM/MRDIMM slots supporting up to 8000 MT/s, it ensures high-throughput memory. The SP5 socket has reached its pinnacle form with 5th Generation AMD EPYC™ processors. The same successful platform that was shared by AMD EPYC™ 9004 & 8004 series processors is now the same one for AMD EPYC™ 9005 series processors. With up to 192 cores, increased frequencies and cache, this top. Your Deep Learning server, configurable with 4 high end deep learning GPUs which give you the fastest deep learning power available: upto 500 Trillion Tensor FLOPS of AI performance and 64 GB high speed GPU memory. Built to perform 24/7 at your inhouse data center or co-location with an server. Performance-optimised single-socket AMD EPYC 4th generation based servers with up to four double-slot NVIDIA cards and a wide range of configuration options in space saving 2U form factor. “AI server 8 GPU, 2x AMD EPYC 9455 48C 300W 3. 15GHz, 384GB DDR5 4800MHz (24x 16GB), 3. 84 TB NVMe SSD, 4x. The Altos BrainSphere™ R680 F7 is a 4U GPU server platform designed to meet the high-performance demands of AI training, high-performance computing (HPC), and enterprise data workloads. Powered by dual 6th Gen Intel® Xeon® processors, DDR5 memory, and support for high-performance GPUs, it. In this overview, Jun Yamog guides you through the essentials of building a high-performance AI server, from selecting the right GPUs to optimizing thermal management.

Article Content

4U Server for AI & DeepSeek-R1 | ABMX Servers

Boost your AI inference & machine learning with our 4U GPU server optimized for DeepSeek R1. High-performance computing, deep learning training, and more.

Google Gemini

Meet Gemini, Google's AI assistant. Get help with writing, planning, brainstorming, and more. Experience the power of generative AI.

What is an AI Server? AI Server Architecture Explained

AI, or artificial intelligence, is changing the way organizations and businesses handle data by incorporating automation of complex calculations,

Introducing the Dell PowerEdge XE7745: A Game

The Dell PowerEdge XE7745 is a powerful server designed specifically for enterprise AI workloads. This 4U air-cooled chassis can

Server with GPU: for your AI and machine learning

Powerful and cost-efficient servers for AI workload. Self-managed online storage. Available everywhere and at any time.

AI Server

AI servers provide powerful compute for training and inference, enabling scalable, efficient AI development and rapid deployment of reliable business solutions.

Free AI Rewording Tool | Reword Text Easily

Reword text for essays, emails, and more in seconds. Grammarly's rewording tool makes it easy to rewrite text with just a few clicks—try it for free online.

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

Duolingo

Learn languages by playing a game. It's 100% free, fun, and scientifically proven to work.

How to Build an Affordable Custom AI Server for AI

In this overview, Jun Yamog guides you through the essentials of building a high-performance AI server, from selecting the right GPUs to optimizing

AI-Optimized GPU Server Configurations for Any Task

AI-assisted GPU Server Configurations your way Reap the benefits of AI and its applications in Machine Learning and Deep Learning. Increased

DEEPSEEK 70B 671B AI Server 8 Way GPU 8x

Due to changing conditions in the market for current DDR4/ DDR5 RAM and availability. - 8x Nvidia V100 32GB SXM2

How to build a high-performance AI server locally

How to build a AI server for high-performance, local, affordable AI Agents 11:12 am May 4, 2024 By Julian Horsey In the modern digital landscape,

AirServer Universal

AirServer® Universal is the most advanced screen mirroring receiver for Windows PC. AirServer Universal allows you to receive AirPlay, Miracast and Google Cast streams, similar to an Apple TV or

Coltec AI-Line G494-ZB4 | 4U Multi-GPU AI Server | Extreme HPC

The Coltec AI-Line G494-ZB4 is a 4U high-density AI GPU server supporting up to 8 GPUs, dual high-core processors, huge DDR5 memory capacity, and NVMe storage. Designed for deep learning,

AIME R410

AIME R410 Multi GPU Rack Server - Your deep learning and machine learning server. Built to perform 24/7 at your inhouse data center or co-location.

NVIDIA GPU Servers for AI, Inference, Training, HPC

Pre-installed with AI/ML software stack (PyTorch, TensorFlow, CUDA). Powered by the latest NVIDIA Blackwell architecture, AMD EPYC or Intel Xeons processors,

Perplexity AI

Perplexity is a free AI-powered answer engine that provides accurate, trusted, and real-time answers to any question.

Reflector 4 | Screen mirror Android, iOS & Chrome OS

Reflector is a wireless mirroring and streaming receiver for Android devices, iPhone, iPad, iPod, Mac and Windows computers and Chromebooks.

Artificial Intelligence (AI) Servers - Intel

Explore key considerations for AI servers and how to design them to support AI workloads optimally.

What is the Best GPU Server for AI & ML? | ServerMania

Comprehensive guide to choosing the best server GPU for machine learning and deep learning. Compare performance, costs, and server

Altos BrainSphere™ R680 F7 AI Server

The Altos BrainSphere™ R680 F7 is a 4U GPU server platform designed to meet the high-performance demands of AI training, high-performance computing (HPC), and enterprise data workloads.

AIME R410

Aime R410 - Machine Learning Server
Epyc CPU Performance
Up to 4TB High-Speed SSD Storage
High Connectivity and Management Interface
Well Balanced Components
Developed For Machine Learning Applications
The AIME R410 was first designed for our own machine learning server needs and evolved in years of experience in deep learning frameworks and customized PC hardware building. Our machines come with preinstalled Linux OS configured with latest drivers and frameworks like Tensorflow, Keras, PyTorch and Mxnet. Just login and start right away with your...
See more on aime
Network: 2 x 10 GBit LAN
1 x IPMI LAN
Type: Rack Server
6HE, 45cm depth
RAM: 64 / 128 / 256 GB ECC memory
aiserver

AI Server 4 GPU Configurator - up to 4 NVIDIA GPUs in 2U

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Configure AI server 4 GPU - performance-optimised AI appliance with up to four double-slot NVIDIA cards and a wide range of configuration options in 2U.

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Building the AI Server

Other Hardware Server power consumption has always been a concern within data centers, and with the growing demand to run AI/ML

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