

AI computing server H800



Overview

NVIDIA's H800 GPU brings advanced AI performance and scalable architecture to enterprise data centers, delivering high-speed training and inference for large language models while enabling robust security and flexible deployment. Meanwhile, the H800 offers nearly identical performance to the H100 for standalone tasks while navigating export restrictions. If you're deploying large-language model training or inference in mainland China, Hong Kong, or Macao—and your cluster relies on PCIe-based infrastructure—the NVIDIA H800 PCIe 80 GB is likely your most viable high-bandwidth option under current U. It delivers near-H100 compute. In the race to develop advanced AI models, NVIDIA GPUs like the H100 and H800 are the undisputed compute powerhouses. However, their true potential is unleashed only when they are connected by an equally powerful, low-latency, and high-bandwidth network fabric. With optimized performance, efficiency improvements, and innovative features, this. The NVIDIA H800 GPU utilizes Hopper architecture to deliver record-breaking AI and HPC performance for enterprise data centers.



Article Content

ESC N8-E11 | ASUS Servers

ASUS ESC N8-E11 is a 7U NVIDIA HGX H100 eight-GPU server designed for generative AI, HPC with support for NVIDIA AI Enterprise and NVIDIA NVLink,

NVIDIA A100 vs. H100 vs. H800 (2025): Which AI

H800: An alternative for regions with export restrictions, offering nearly the same power as the H100 but with reduced NVLink bandwidth. As AI

NVIDIA H800 GPU Guide: How to Decide If It's Right for Your AI

A practical, no-fluff guide comparing the NVIDIA H800 vs H100—covering real-world performance trade-offs, export-driven design limits, and when the H800 delivers value (or doesn't).

NVIDIA H800

NVIDIA L40S (Bundle Sale) Tesla L40S 48GB PCIe DSFH w/ATX BKT (Part Number: SKY-TESL-L40S-48P) NVIDIA RTX PRO 6000 Blackwell Server Edition

Ist die NVIDIA H800 die richtige GPU für Enterprise-KI-Server?

Für Unternehmen, die sichere und skalierbare KI-Systeme entwickeln, bietet die H800 integrierten Schutz durch NVIDIA Confidential Computing. Sie arbeitet zudem nahtlos mit dem

Nvidia H800 PCIe 80GB

Nvidia H800 PCIe 80GB Specifications and performance with the benchmarks of the Nvidia H800 PCIe 80GB graphics card dedicated to the desktop sector, with

GPU H800 A800 Chatgpt Ai 6u Rack Server Nettrix X660 G45

To better meet customer demand, the server product company also provides a range of solutions, including cloud computing, big data, virtualization, and storage.

Huawei AI chips edge out Nvidia H800, hinting progress over US tech ...

Huawei Ascend AI chips are reportedly overtaking Nvidia H800, flagging a win on US tech controls. The company has recently said that its chips are still a generation behind foreign

Nvidia H800-80G GPU 80GB HBM3 AI Data Center

Get Nvidia H800-80G GPU for AI/ML workloads, optimized for enterprise data centers and high-performance training/inference. Inquire price, download datasheet.

What Are the Benefits and Features of the NVIDIA H800

The NVIDIA H800 GPU ushers in a new era of high-efficiency AI and HPC computing. Its industry-leading performance, security, and scalability make it

NVIDIA H800

(Bundle Sale) NVIDIA H800 80GB PCIe DSFH w/ATX BKT (Part Number: SKY-TESL-H800-80P)

Introducing NVIDIA HGX H100: An Accelerated Server

An accelerated server platform for AI and HPC NVIDIA is working closely with our ecosystem to bring the HGX H100 based server platform to the

Introducing NVIDIA HGX A100: The Most Powerful

Most powerful server platform for AI and HPC NVIDIA is working closely with our ecosystem partners to bring the HGX A100 server platform to the

NVIDIA H800: A Technological Leap in Enterprise AI

The NVIDIA H800, based on the Hopper architecture, represents a significant advancement in the world of enterprise GPUs, specifically designed for artificial intelligence (AI) workloads and advanced data

GPU Servers, AI Appliances & InfiniBand Hardware — ApeTops US

Turnkey GPU servers (H800, A800, H100, A100, H20, L20), DeepSeek AI appliances, and InfiniBand switches & HCAs — procurement, integration, and deployment for on-prem and colocated AI clusters.

SKY-TESL-H100-80P H100 SKY-TESL-H800-80P H800

Introduction NVIDIA® Tesla® H100 (SKY-TESL-H100-80P) and Tesla® H800 (SKY-TESL-H800-80P) PCIe cards are compute-optimized GPUs built on the NVIDIA Hopper architecture

Is the NVIDIA H800 the Right GPU for Enterprise AI Servers?

Companies supported by WECENT can use the H800 to power modern AI training, cloud computing, and data-center applications, ensuring reliable performance, strong security, efficient AI acceleration,

GPU H800 A800 Chatgpt Ai 6u Rack Server Nettrix X660 G45

The product range covers multiple fields, including enterprise servers, cloud computing servers, high-performance computing (HPC), and database servers. The products are characterized by high

ZTE's first "flagship GPU server" for China has NVIDIA

ZTE's first flagship GPU server for China announced: ZTE R6900 G5 servers feature NVIDIA H800 AI GPUs, specifically designed for China against

deepseek-ai/DeepSeek-V3 · Hugging Face

We're on a journey to advance and democratize artificial intelligence through open source and open science.

RTX PRO 4500 Blackwell Server Edition GPU | NVIDIA

Accelerate enterprise AI, data science, and visual computing with the NVIDIA RTX PRO 4500 Blackwell Server Edition—power-efficient performance for data center, edge, and cloud.

NVIDIA H800 PCIe 80 GB Specs | TechPowerUp GPU

NVIDIA has paired 80 GB HBM2e memory with the H800 PCIe 80 GB, which are connected using a 5120-bit memory interface. The GPU is operating at a

Network for NVIDIA AI Cluster H100 & H800:

This guide is designed for network architects and data center engineers tasked with building or upgrading NVIDIA-powered AI and High

ThinkSystem NVIDIA H800 PCIe Gen5 GPUs

The ThinkSystem NVIDIA H800 PCIe Gen5 GPU delivers high performance, scalability, and security for every workload. It uses breakthrough

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