

AI server H20 card



Overview

The NVIDIA H20 is a high-performance data center GPU based on the Hopper architecture, optimized for AI inference and large-scale model computation. It offers 96GB of HBM3 memory with a 4.0 TB/s bandwidth, powerful yet energy-efficient AI processing at 350W, making it ideal for cloud applications. The counterintuitive truth about why the "weaker" H20 often beats the mighty H100 in real-world enterprise workloads Meet David, CTO of a growing AI company. Six months ago, he proudly deployed a state-of-the-art H100 cluster—8 GPUs, \$2 million investment, enough compute power to make other CTOs. The NVIDIA H200 GPU supercharges generative AI and high-performance computing (HPC) workloads with game-changing performance and memory capabilities. As the first GPU with HBM3E, the H200's larger and faster memory fuels the acceleration of generative AI and large language models (LLMs) while. Unveiling NVIDIA's HGX H20, a powerhouse driven by the cutting-edge Hopper architecture. 0 TB/s memory bandwidth, this GPU delivers unparalleled performance in AI applications. Diverse Tensor Cores, including INT8, FPB, BF16, and FP16, contribute to up to 296. Nvidia Corporation stands at the forefront of the artificial intelligence (AI) revolution, producing cutting-edge graphics processing units (GPUs) that power advanced AI applications. Among its latest offerings are the Nvidia H100 and H20 AI chips, which have garnered significant attention not only. Huawei has unveiled its Atlas 350 AI accelerator card, a direct competitor to Nvidia's offerings in China.



Article Content

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H200 GPU | NVIDIA

The NVIDIA H200 GPU supercharges generative AI and HPC workloads with game-changing performance and memory capabilities.

Dec 05, 2025 Hot

How China's AI chips stack up against Nvidia's H200

China now has a number of AI chipmakers, as the country looks to wean itself off reliance on foreign technology. Here is how Chinese rivals

Jun 14, 2026 Hot

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Oct 11, 2025 Hot

What Makes the NVIDIA H20 a Game-Changer for AI Servers?

By integrating the NVIDIA H20 GPU into server solutions, Chinese manufacturers and OEM factories can produce high-performance AI inference servers that meet international compliance.

Oct 14, 2025 Hot

Exclusive: Nvidia's H20 chip orders jump as Chinese

Alibaba, ByteDance, Tencent have boosted H20 purchases, sources say Smaller firms now buying servers with AI computing systems, source says

May 30, 2026 Hot

Technology

In terms of impact, we estimate Nvidia's inventory writedown of US\$5.5bn implies US\$14bn sales (GPM 60%), 1.1mn H20 chips (ASP US\$12.5k) and 138k H20 AI servers (8 chips/

May 19, 2026 Hot

Accelerating Inference on End-to-End Workflows with

Financial institutions are combining generative AI and predictive analytics to build next-generation AI applications, such as alternative data for

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NVIDIA H20 Chips: Next-Generation AI Processors for Enterprise ...

The H20 chips show strong performance in AI inference tasks, though they are designed with reduced capabilities compared to the H100 and H200 models. These chips have slower

Dec 18, 2025 Hot

NVIDIA's H20 See Surge in Orders from Chinese

Regarding the need for H20, TrendForce previously mentioned that Chinese companies would continue to buy existing AI chips in the short term.

Nov 07, 2025 Hot

Nvidia HGX H20 Enterprise 96GB

The NVIDIA H20 is a data center GPU based on the Hopper architecture, specifically designed for AI inference, large-scale model computation, and cloud applications.

May 16, 2026 Hot

H2O Open Source | H2O.ai

Overview Open Source, Distributed Machine Learning for Everyone H2O is a fully open source, distributed in-memory machine learning platform with linear

Aug 11, 2025 Hot

Nvidia's latest regulation-compliant H20 GPU for China

The H20 datacenter GPU is currently Nvidia's fastest graphics card that the company can legally sell in China.

Mar 02, 2026 Hot

Welcome to H2O-3 — H2O 3.46.0.10 documentation

Welcome to H2O-3 H2O-3 is an open source, in-memory, distributed, fast, and scalable machine learning and predictive analytics platform. It lets you

Jan 01, 2026 Hot

NVIDIA Ready H20 AI GPU for Chinese Market

NVIDIA's H800 AI GPU was rolled out last year to appease the Sanction Gods—but later on, the US Government deemed the cutdown "Hopper"

Nov 22, 2025 Hot

Huawei Launches AI Chip With 2.87x Nvidia H20's Power

Huawei launched its Atlas 350 AI accelerator card, which delivers 2.87 times the single-card computing power of Nvidia's H20 chip, signaling a major challenge to the U.S. firm's market dominance in China.

Jul 16, 2025 Hot

Nvidia H20 AI Chips: Features, Comparison with H100,

Among its latest offerings are the Nvidia H100 and H20 AI chips, which have garnered significant attention not only for their technical capabilities but also

Aug 30, 2025 Hot

Nvidia's H20 chip challenges Huawei's Ascend 910B in

The pricing for both the H20 and Ascend 910B chips align closely with an H20-powered high-end server featuring eight H20 cards, retailing at

Mar 04, 2026 Hot

NVIDIA H20 vs H100 vs H200: The Data Center GPU

The counterintuitive truth about why the "weaker" H20 often beats the mighty H100 in real-world enterprise workloads The \$2 Million Plot Twist Meet

Apr 14, 2026 Hot

Exclusive: China's H3C warns of Nvidia AI chip shortage

One of China's largest server makers, H3C, has flagged potential shortages of Nvidia's H20 chip, the most advanced AI processor legally available

Apr 22, 2026 Hot

NVIDIA H20 Chips: Next-Generation AI Processors for Enterprise ...

The H20 is part of NVIDIA's next-gen line of AI chips designed to serve enterprise clients with demanding inference workloads. Unlike the powerhouse H100 (which excels at training large

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NVIDIA H20 vs H100 vs H200: The Data Center GPU

While H100 was designed for maximum compute, H20 was optimized for the memory-bound workloads that actually dominate enterprise

Jun 21, 2026 Hot

China's H3C Flags Nvidia H20 Chip Shortage Amid AI

China's server giant H3C warns of a critical Nvidia H20 AI chip shortage due to surging demand and geopolitical disruptions, impacting tech

Jan 12, 2026 Hot

Integrated Solution

Moreover, the ever-changing nature of customer data requires improving model-prediction accuracy. AI adapts to new problems, like credit card churners and regulatory requirements, and accounts for

Jun 17, 2026 Hot

Nvidia H20

The NVIDIA H20 is a data center GPU derived from the Hopper architecture, designed to comply with export regulations while still supporting large-scale AI training and inference workloads.

Dec 15, 2025

Contact Us

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