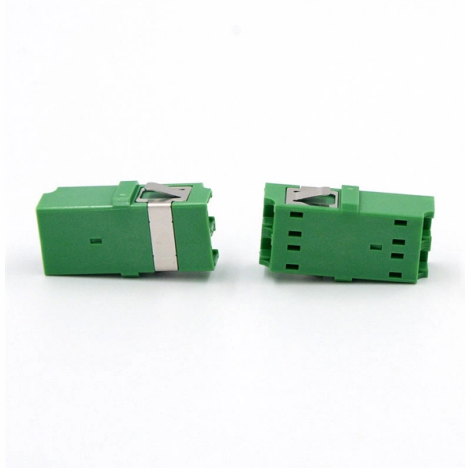


AI Server H20 Chip Manufacturers



Article Overview

Nvidia is the primary manufacturer of H20 AI chips, with Chinese server makers like H3C distributing them to major tech firms.

Nvidia as the Manufacturer

The Nvidia H20 chip is part of Nvidia's H200 Tensor Core GPU product line and is specifically designed for AI workloads, including generative AI and high-performance computing. It features 141 GB of HBM3e memory with a bandwidth of 4.8 terabytes per second, making it suitable for enterprise AI servers and lower-power, air-cooled rack designs . Nvidia remains the exclusive producer of H20 chips, and U.S. export controls limit the sale of its most advanced AI processors to China, making the H20 the most advanced chip legally available in that market .

Key Distributors and Server Manufacturers

In China, H3C is one of the largest server manufacturers distributing Nvidia H20 chips. H3C has reported inventory shortages due to high demand from Chinese tech companies and geopolitical tensions affecting the supply chain . Other Chinese server makers also integrate H20 chips into AI servers, supplying them to major clients.

Major Clients and Market Demand

Chinese tech giants such as Tencent, Alibaba, and ByteDance are the primary consumers of H20-equipped AI servers. These companies have significantly increased orders to support AI models developed by startups like DeepSeek, which offer cost-...

Article Content

Jul 04, 2026

Nvidia Faces Fresh China Setback As Chip Shortages And ...

Chinese server maker H3C highlighted a possible Nvidia H20 chip crisis to Reuters, adding that current inventory was

Dec 14, 2025

China's Major Server Maker Reportedly Warns of NVIDIA's

H3C, along with Inspur, Lenovo, and Huawei's xFusion, is a key OEM partner for NVIDIA's AI chips in China, Reuters

Oct 16, 2025

Chinese tech firms rush to order \$16B in new Nvidia's H20 AI chips

In March, Reuters said H3C, one of China's top server manufacturers, warned of possible shortages. That could cause

Aug 16, 2025

Nvidia to launch China-focused AI chip in Q2 2024

The H20 chip is the most powerful of three China-focused chips Nvidia developed to meet restrictions announced in

Aug 18, 2025

Chinese firms place \$16 billion in order for new Nvidia chips, the ...

Chinese companies including ByteDance, Alibaba Group and Tencent Holdings have placed at least \$16 billion in

Apr 28, 2026

Leashing Chinese AI Needs Smart Chip Controls | RAND

In 2024, Chinese companies bought around 1 million Nvidia H20 chips compared with an estimated shipment of

Aug 14, 2025

Nvidia H20 chips shortage is imminent, says China's H3C

H3C, a major server maker, is warning of an imminent shortage of Nvidia's H20 chip, which could impact China's AI

Oct 30, 2025

Nvidia announces US approval to sell its H20 AI chip to China | AP News

Nvidia's CEO Jensen Huang says the technology giant has won approval from the Trump administration to sell its advanced H20

Sep 07, 2025

NVIDIA's H20 Chip Returns to China: A Milestone Moment for AI

On July 15, NVIDIA CEO Jensen Huang announced a major breakthrough for the global semiconductor and AI

May 31, 2026

NVIDIA's Reported 300K H20 Order Signals China CSP

Inventec, meanwhile, has secured a place in the AI server supply chain for China's four major CSPs: Baidu, Alibaba,

Dec 05, 2025

Nvidia says it hopes to resume H20 AI chip sales to China "soon"

The U.S. government in April told Nvidia it would require a license to sell the chips to China, the company said in a

Aug 16, 2025

Top 25+ AI Chip Makers: NVIDIA & Its Competitors

AI chips enable parallel computing capabilities are increasingly in demand. This article will information to you on 10

Jan 10, 2026

China's H3C warns of Nvidia AI chip shortage amid surging demand

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

Feb 20, 2026

H20 back online in China — IC design houses, cloud AI chipmakers ...

Companies such as Broadcom, Marvell, Astera Labs, Texas Instruments, and Infineon are expected to benefit in key

Aug 17, 2025

H3C Warns of Nvidia H20 AI Chip Shortage Despite High Demand

One of China's leading server manufacturers, H3C, has raised concerns about potential shortages of Nvidia's H20

Sep 04, 2025

Nvidia's H20 chip orders jump as Chinese firms adopt DeepSeek's AI ...

Smaller companies in sectors like healthcare and education are also purchasing AI servers equipped with DeepSeek

Sep 30, 2025

Global AI Race: Nvidia's (NVDA) H20 Chip Orders Signal Strategic

The H20 chip's critical role in advancing AI development positions Nvidia as a key enabler of innovation in China,

Mar 24, 2026

NVIDIA Sees Another Surge in AI Server Chip in China

Orders for NVIDIA's H20 server chips from Chinese tech companies reached \$16 billion in the first quarter of 2025,

Mar 10, 2026

Nvidia orders suppliers to halt work on China-focussed H20 AI chip,

Nvidia has told some component suppliers to suspend production of its H20 AI chip, designed specifically for the

Mar 09, 2026

NVIDIA's H20 Chip Returns to China: A Milestone Moment for AI

March: Chinese server manufacturers report severe shortages of H20 chips. April 16: The U.S. formally bans H20

Oct 28, 2025

How Nvidia's H20 Chip is Changing for China Amid US Controls

Nonetheless, the H20, once Nvidia's leading AI chip available to Chinese buyers, encountered market access

Jun 26, 2026

Nvidia Faces Dilemma After Chinese Firms Rush to Order \$16 Billion

Chinese companies including ByteDance, Alibaba Group and Tencent Holdings have placed at least \$16 billion in

Aug 14, 2025

Nvidia's H20 AI Chips Face a Shortage in China, Says ...

H3C manufactures data center servers and is one of the OEM (Original Equipment Manufacturer) partners for the

Feb 06, 2026

China's H3C warns of Nvidia AI chip shortage amid demand spike

An insider in the AI server business who sells servers with H20 chips, said that H20 processors are hard to find in

Jan 04, 2026

Nvidia H20 AI Chips: Features, Comparison with H100, and

Nvidia Corporation stands at the forefront of the artificial intelligence (AI) revolution, producing cutting-edge graphics

Apr 07, 2026

Nvidia's H20 GPU: Game-Changer in the Chinese AI Chip Market

Nvidia's Plans for Mass Production and Launch of H20 Nvidia has announced plans to start mass production of the H20 GPU in the

Dec 02, 2025

Demand for NVIDIA H20 chips surges as Chinese companies adopt

An insider from a Chinese server manufacturer revealed that small businesses in healthcare and education among

Sep 09, 2025

The H20 Problem: Inference, Supercomputers, and US Export Control

Tencent, one of the three buyers in this \$16 billion transaction, has most likely created supercomputers with H20 chips

Jan 09, 2026

China's H3C Flags Nvidia H20 Chip Shortage Amid AI Boom

Chinese tech firms, facing possible supply disruptions, may increasingly look to domestic chip alternatives offered by

Jan 29, 2026

Behind Nvidia's Redevelopment of its H20 Chip | AI Magazine

Yet the H20, previously Nvidia's most capable AI chip cleared for sale to Chinese customers, was effectively barred

Mar 28, 2026

Exclusive: Nvidia's H20 chip orders jump as Chinese firms adopt ...

Smaller companies in sectors like healthcare and education are also purchasing AI servers equipped with DeepSeek

Feb 02, 2026

DeepSeek AI Boom Spurs NVIDIA H20 Chip Sales in China

AI servers running DeepSeek models and Nvidia H20 chips are also in demand from healthcare and education

Contact Us

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