

AI Intelligent Factory Server



Overview

It's a comprehensive system integrating high-performance computing, storage, cooling, and intelligent management, purpose-built for generative AI, large language models, multimodal learning, and even Agentic AI. NVIDIA and the world's top computer manufacturers unveiled an array of NVIDIA Blackwell architecture-powered systems featuring Grace CPUs, NVIDIA networking and infrastructure for enterprises to build AI factories and data centers to drive the next wave of generative AI breakthroughs. With. Implement Microsoft for Manufacturing to increase production efficiency, reduce operational costs, and improve production quality. Track metrics such as throughput, overall equipment effectiveness (OEE), downtime, inventory turnover, and capacity utilization to measure results. Solving complex challenges takes more. McKinsey projects investments of as much as \$7 trillion in AI-related data centers by 2030 — one of the largest infrastructure buildouts in history, surpassing previous technology booms in both scale and pace. Among the most ambitious are Meta's 1-gigawatt Prometheus AI supercluster in New Albany. Troubleshoot common licensing issues and leverage easy-to-follow documentation for both PAK-based or Smart Licenses. Get self-service access to security, data privacy.



Article Content

Mar 12, 2026

AI + machine learning | Microsoft Azure Blog | Microsoft

Read the latest news and posts about AI + machine learning, brought to you by the experts at Microsoft Azure Blog.

Nov 26, 2025

Gartner Business Insights, Strategies & Trends For

Business and Technology Insights and Trends AI's Influence Runs Deeper Than You Think — 2026 Gartner Strategic Predictions Explain Why Understand them to

Oct 14, 2025

Intelligent factories

Overview
Connected and Enabled Workers
Production Monitoring and Optimization
Maintenance and Quality
Microsoft Cloud for Manufacturing enables the intelligent factory of the future by using Industrial IoT, dMachine learning models enhance product quality within the intelligent factory by helping manufacturers detect and address defects in real-time, ensuring the production of high-quality products. Finally, the Microsoft Cloud for Manufacturing solution provides communication and collaboration tools that enable
See more on learn.microsoft Nvidia

RTX PRO Servers for Building Enterprise AI Factories

Accelerate AI, LLMs, and digital twins with RTX PRO Servers powered by NVIDIA Blackwell—high-performance, energy-efficient enterprise solutions.

Aug 04, 2025

Dell Uplevels AI Infrastructure With NVIDIA at CES

Dell expands AI Factory with NVIDIA Rubin, Spectrum-6 networking and BlueField-4 to scale enterprise AI with speed and efficiency.

Apr 07, 2026

Building the AI factory grid of tomorrow | HPE

By combining NVIDIA's intelligent, low-latency fabric with Juniper's robust, long-distance transport and enterprise edge solutions, organizations can build

Jun 29, 2025

What Is AI Factory, And Why Is Nvidia Betting On It?

At the recent Nvidia GTC conference, executives and speakers frequently referenced the AI factory. It was one of the buzzwords that got a lot of

Sep 11, 2025

NVIDIA Corporation

NVIDIA AI Factory Research Center in Virginia to host the first Vera Rubin infrastructure and lay the groundwork for NVIDIA Omniverse DSX, a

Mar 25, 2026

Ready or Not? The Era of AI Factory Has Arrived!

With synchronized end-to-end AI computing and operations, GIGABYTE is building a scalable, flexible, and intelligent AI Factory network,

May 29, 2026

Build AI Factories with Supermicro and NVIDIA

AI factories from Supermicro and NVIDIA are complete, turnkey solutions simplifying the deployment of enterprise AI at scale for faster time-to-online and time-to

Feb 11, 2026

AI Agents: Built to Reason, Plan, Act | NVIDIA

Explore the cutting-edge building blocks of intelligent AI agents and transform enterprise data into actionable knowledge.

May 10, 2026

NVIDIA GTC San Jose 2026 Session Catalog

Browse the GTC 2026 Session Catalog for tailored AI content. March 16-19 in San Jose to explore technical deep dives, business strategy, and industry insights.

Jan 04, 2026

HPE transforms distributed AI factories into intelligent AI

The HPE AI Grid enables service providers to deploy and operate thousands of distributed inference sites, turning AI installations into a single

Aug 11, 2025

AI-driven manufacturing: Smart factories for Industry 4.0

AI has the potential to boost factory throughput transforming factories with data and AI-driven manufacturing models. 5. Personalized manufacturing

Dec 05, 2025

HPE unveils new AI factory solutions built with NVIDIA

HPE drives AI innovation with modular AI factory solutions powered by NVIDIA Blackwell, fueled by HPE Alletra Storage MP, and optimized to deploy

Jun 09, 2026

Cisco Secure AI Factory with NVIDIA

Cisco and NVIDIA bring AI to the enterprise with Secure AI Factory, which delivers a secure, scalable and high-performance AI infrastructure.

Oct 04, 2025

AI Factory solutions | HPE

HPE Private Cloud AI is a full-stack, turnkey AI factory for enterprise-grade AI workloads. Deployed and operational in hours, it integrates

Aug 05, 2025

Dell and NVIDIA's AI Factory 2.0 Targets Enterprise AI

Dell and NVIDIA's AI Factory 2.0 combines upgraded servers, AI data platforms, and managed services to simplify enterprise AI deployment.

Apr 02, 2026

How is AI being used in Manufacturing | IBM

Learn how AI is transforming the manufacturing industry by enhancing efficiency, precision and adaptability in various production processes.

Jun 04, 2026

Artificial Intelligence Solutions | Dell USA

Dell provides end-to-end AI solutions to boost your business productivity through the Dell AI Factory and Generative AI.

Dec 27, 2025

Setting Up a Secure Webhook in an Azure Monitor

When configuring an Action Group in Azure Monitor, one of the most powerful notification options is a secure webhook. This allows you to send alerts to an...

May 25, 2026

The Essential Infrastructure Behind AI Factories

Discover how AI factories revolutionize industries with scalable infrastructure and NVIDIA GB200 NVL solutions, supported by AMAX expertise.

Mar 21, 2026

On-Prem AI Server Hardware Guide for Industrial Enterprises

Complete guide to on-prem AI server hardware for industrial enterprises. Explore NVIDIA DGX systems, edge AI devices, cooling strategies, GPU sizing, network architecture, and scalable

Jun 19, 2026

Samsung Teams With NVIDIA to Lead the Transformation of Global ...

In intelligent robotics, Samsung is leveraging the NVIDIA RTX PRO™ 6000 Blackwell Server Edition platform to advance manufacturing automation and humanoid robotics, accelerating

Oct 24, 2025

Manufacturing for tomorrow: Microsoft announces new

After years of uncertainty from supply chain disruption and increased customer expectations, to changes in consumer demand and workforce

Mar 27, 2026

Think Topics | IBM

Find out how intelligent automation combines AI and automation technologies, enabling automation of low-level tasks within your business. Find out how BPM uses various methods to discover, model,

Sep 11, 2025

AI Factories: Powering the Era of Pervasive Intelligence | Synopsys

AI factories are redefining data centers with specialized chips, power, networking, and cooling to deliver efficient, secure intelligence at scale.

May 06, 2026

AI Factory

NVIDIA has a complete product portfolio which can build an AI factory under single ecosystem, keeping the controls and management simple, intuitive and accesible

Jun 21, 2026

Azure updates | Microsoft Azure

Azure Cosmos DB Shell is now available in public preview, introducing a modern command-line experience with agentic capabilities powered by Model Context Protocol (MCP). You can now query,

Contact Us

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