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N-series AI computing power servers



Overview

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 GPUs, MGX configurations help streamline deployment, reduce cost-to-design and accelerate time-to-value. Highly scalable and reliable to support even the most demanding workloads, Power servers are designed to help you respond faster to change. Add autonomous IT, advanced virtualization capabilities. This blog post explores innovations in power devices, gate drivers and advanced controllers with Digital Signal Processing (DSP) capabilities to meet Artifical Intelligence (AI) servers' power and efficiency needs. The rise of artificial intelligence (AI) has significantly increased computing. Texas Instruments (TI) today debuted new design resources and power-management chips to help companies meet growing artificial intelligence (AI) computing demands and scale power-management architectures from 12V to 48V to 800 VDC. The new solutions will be on display at Open Compute Summit (OCP). The new Cisco UCS X580p GPU node with UCS X-Fabric delivers GPU-dense performance, scalable fabrics, unified management, and supports NVIDIA RTX Pro 4500 and 6000 Blackwell Server Editions GPUs. Cisco UCS X-Series redefines AI infrastructure flexibility. Mix GPU and CPU nodes in one modular chassis. Combining modular MGX™ architecture and early access to the latest NVIDIA GPUs, MSI's NVIDIA-certified MGX AI platforms deliver scalable performance and GPU density for compute-intensive AI and HPC environments. In tandem with its technology announcements, Arm is also expanding its Arm Total Design initiative, which.

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The IBM Power E1180 is a high-end server built for the AI era, delivering autonomous operations, cyber resilience and hybrid cloud flexibility. The IBM

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Explore how innovations in power devices, gate drivers, and DSP-based controllers tackle AI servers'' high energy demands, optimizing efficiency in data centers.

TI''s new power-management solutions enable scalable AI

With new design resources and a broad power-management portfolio, TI is working alongside data center designers to implement a comprehensive approach that drives efficient, safe

Cisco UCS X-Series for AI

Cisco RTX Pro Servers combine the modular power of UCS X-Series with NVIDIA RTX Pro 4500 and 6000 Blackwell Server Editions GPUs. Designed for AI

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

Arm''s New Neoverse CSS V3 & N3 Target AI & Power

Arm is bringing two new Neoverse compute subsystems to market, each based on its third generation Neoverse IP. The solutions extend its N

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NF5688G7_AI Servers_meta brain® Artificial

It is built to handle the most demanding AI computing tasks like trillion-parameter Transformer model training, massive recommender systems, AIGC, and

New IBM Power server extends AI workloads from core

IBM Power S1012 provides clients the flexibility to run AI inferencing workloads in remote office and back office (ROBO) locations outside mainstream

Cisco UCS C845A M8 AI Server Spec Sheet

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We did the math on AI''s energy footprint. Here''s the

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GB200 NVL72 | NVIDIA

The NVIDIA GB200 NVL72 is an exascale computer in a single rack. With 72 NVIDIA Blackwell GPUs interconnected by the largest NVIDIA NVLink domain

NVIDIA Blackwell Platform Arrives to Power a New Era

Powering a new era of computing, NVIDIA today announced that the NVIDIA Blackwell platform has arrived — enabling organizations everywhere to

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Infrastructure for Scalable AI Reasoning | NVIDIA Vera

NVIDIA Vera Rubin powers agentic AI and reasoning models at scale, eliminating bottlenecks in communication, coordination, and memory for efficient multi-step

Cisco Computing Infrastructure and Operations

Cisco computing offers data centers and hybrid cloud products including servers, hyperconverged infrastructure, and SaaS-based cloud operations management.

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Cisco UCS X-Series for AI

Advance AI computing from edge to core with modular, scalable Cisco UCS-X Series for AI. Discover GPU density, scalable fabrics, and unified management.

New IBM Power server extends AI workloads from core

Join us to learn about the latest advancements in the IBM Power platform, register here Achieving more in less space at the edge IBM Power

World''s Top System Makers Unveil NVIDIA A100

NVIDIA and the world''s leading server manufacturers today announced NVIDIA A100-powered systems in a variety of designs and

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XE-Series servers are purpose-built for accelerated computing—AI training, HPC, and large-model inference. They prioritize GPU density, bandwidth, power, and

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The NVIDIA RTX PRO 6000 Blackwell Server Edition GPU delivers a powerful combination of AI and visual computing capabilities to accelerate enterprise data

RTX PRO Servers for Building Enterprise AI Factories

The NVIDIA Enterprise AI Factory validated design provides guidance for developing, deploying, and managing agentic AI, physical AI, and HPC

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