

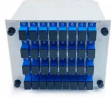
# Heterogeneous Architecture of AI Servers



## Overview

In this guide, we outline considerations and best practices for designing such a heterogeneous infrastructure including how to leverage different GPU models, high-speed storage, and networking to maximize performance for both training and inference workloads. WHY HETEROGENEOUS. AI model training and inference workloads are forcing the industry to rethink not only how much compute fits in a rack, but how servers are architected from end to end — transforming computing infrastructure as we know it. Explore the IP that enables high-performance, scalable AI systems. Intel and Wipro leverage heterogeneous computing to scale AI from edge to cloud, enabling secure, efficient, enterprise-wide transformation with measurable business outcomes. Intel's advanced, heterogeneous hardware capabilities combined with Wipro's consulting and software integration expertise is. AI is a technology that machines use to imitate intelligent human behavior. Machines can use AI to do the following tasks: Analyze data to create images and videos. Verbally interact in natural ways. WHY HETEROGENEOUS INFRASTRUCTURE FOR.

## Heterogeneous Architecture of AI Servers



Explore key considerations for AI servers and how to design them to support AI workloads optimally.



Whether you're deploying AI in your business, tinkering with a project, or just want to understand the tech shaping our world, this guide discusses what ...



Intel's advanced, heterogeneous hardware capabilities combined with Wipro's consulting and software integration expertise is helping deliver practical, scalable AI solutions across various ...



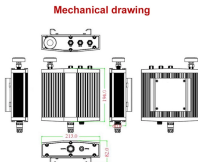
Learn what AI servers are and how they power artificial intelligence. Complete guide to AI server components, architecture, and requirements for ML and AI.



Learn how AI workloads are reshaping server architecture with accelerators, CXL memory pooling, high-speed interconnects, and advanced cooling.



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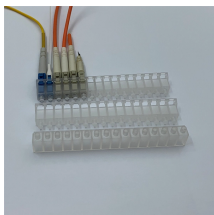
This paper introduces a novel service-oriented infrastructure concept to overcome these limitations, enabling management of distributed, heterogeneous AI accelerators.



Azure Architecture Center provides example architectures, architecture guides, architectural baselines, and ideas that you can apply to your scenario. Workloads that use AI and ...



Discover best practices for building a scalable, efficient AI cloud using the right GPUs, storage, and networking for training and inference.



More than ever, we need ways to scale compute beyond the package boundary. The pursuit of advanced optical IO technologies will reshape the heterogeneous architecture of AI systems, which ...



AI/ML demands are reshaping servers. Explore how CPUs, GPUs, FPGAs and AI accelerators drive performance for workloads like deep learning and predictive analytics.

## Contact Us

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