

Ultra- Efficient Models to Scale GenAI Datacenters & Enable Edge AI

CompactifAI

As organizations race to deploy Generative AI, two challenges dominate: how to scale inference economically in the datacenter, and how to bring intelligence on the edge where connectivity, power and footprint are constrained. Multiverse Computing makes ultra-efficient, compressed AI models, including LLMs, VLMs, speech-to-text, and computer vision models — engineered to deliver the same accuracy with a fraction of the memory requirements. By integrating with Intel® hardware and optimizing with OpenVINO™ toolkit, enterprises can deploy larger AI models on existing infrastructure rather than expanding it.

In the datacenter, leaner models translate directly into higher throughput, lower energy consumption, and improved ROI by enabling more users and workloads to run on the same infrastructure. At the edge, the same compression breakthroughs make it possible to deploy GenAI in constrained environments — bringing secure, low-latency AI to tactical environments.



*Run large AI models, more concurrent users and more AI workloads on existing infrastructure with **lower compute and power requirements.***

Key Intel-Enabled Features



AI Model Compression



Efficient AI Inference



Hybrid AI Deployment



Lower Energy Usage

Accelerate Business Transformation with Optimized, Ready-to-Deploy, Intel-Powered AI Partner Solution

- Efficient AI inference across AI PCs, Xeon servers, and Gaudi accelerators
- Reduced memory requirements through OpenVINO-optimized model execution
- Flexible deployment from client devices to data center infrastructure
- Lower energy consumption through AI model compression and efficient hardware utilization.

Intel Products and Technologies

- [Intel® Core™ Ultra Processors](#)
- [OpenVINO™ Toolkit](#)
- [Intel® Gaudi® 3 AI Accelerators](#)
- [Intel® oneAPI Toolkit](#)

Ordering Guidance:

- [Buy CompactifAI](#)

Country/Geo: Worldwide

Edge Verticals: Enterprise; Retail & Consumer; Manufacturing & Energy; Health & Life Sciences; Education

Edge Use Cases: Commercial/Enterprise AI Software

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- [Multiverse Computing Website](#)

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