



**AI INITIATIVES  
NEED TO FOCUS  
ON DATA AND  
DELIVERING VALUE  
TO STAKEHOLDERS,  
NOT DESIGNING IT  
INFRASTRUCTURE.**

# BUILD AI VALUE FASTER NOT INFRASTRUCTURE.

Accelerate Model Building  
and Solution Development with a  
Turnkey System Optimized for AI

Only about 60 percent of AI models are profitable.<sup>1</sup> One of the key reasons is— data scientists are distracted by tasks that are not inherently data science.

### 3 key issues impacting productivity

1. AI Infrastructure is complex
2. Scaling workloads is hard
3. Training can be cost prohibitive

Develop and Deploy Quickly with this Scalable AI Development System from Supermicro and Intel which Features:

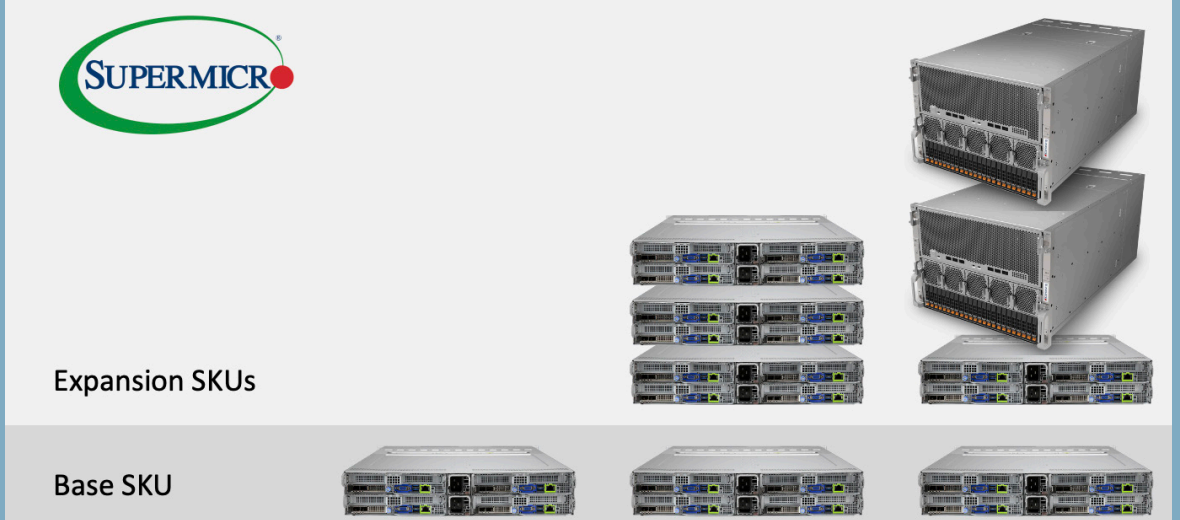
- A validated end-to-end deep learning training and inference platform, featuring Intel® AI acceleration, brings the latest advancements from Intel and Supermicro to your data science team.
- Security, Portability, and Data Unification.
- A single, scalable system deploys quickly into multiple IT environments.
- A software experience that meets developers where they are with integrated PyTorch and TensorFlow frameworks, Kubernetes orchestration, the support of a robust and expanding software ecosystem, and more.



## Partnering to Drive Results

The Supermicro hardware and RedHat and Intel software stacks are designed for deep learning, giving your team all the AI development training and inference compute capabilities, development and storage necessary to quickly build algorithms, train models, and deliver innovative AI solutions. Designed to accelerate development of and execution of training and inference workloads, this new system easily scales to accommodate expanding datasets and growing deep learning complexity.

### Scales to Any Size Needed



## How to Buy

[Learn more about the Scalable AI Development System from Supermicro.](#)



# A TURNKEY AI SYSTEM FOR DATA SCIENCE



## A Turnkey AI System, Ideal for IT.



### Built on Supermicro Big Twin Servers

Start small and scale as needed with a range of turn-key expansion platforms. Supermicro is an industry leader in high-performance computing applications and AI. IT can quickly adapt to the needs of data scientists as datasets expand and models and algorithms become more complex. Add more compute, Gaudi2 training and inference capacity, or storage as required. Read more about Supermicro [BigTwin](#) and [Gaudi 2 Training Server](#).



### Fast Training

Driven by Habana® Gaudi®2 accelerators and featuring eight Habana HL-225H OAM-compliant mezzanine cards architected for high-performance, high-efficiency deep learning training and inference.

Learn more about [Gaudi2 performance breakthroughs](#).



### Record-breaking Compute

The 4th Gen Intel® Xeon® Scalable processors bring the latest Intel advancements to AI, including Intel® Advanced Vector Extensions 512 (Intel® AVX-512), Intel® Deep Learning Boost (Intel® DL Boost), and other AI acceleration technologies.

Discover [4th Gen Intel Xeon Processors](#).

## An integrated platform that simply works.

Manage more models with drag and drop pipelines. Build, run, and track experiments in hyper-speed. Easily automate processes.

cnvrg.io



Datasets



Experiment



Build



Deploy



Monitor

Model development and training and inference with Intel® AI Analytics Toolkit, OpenVINO™, SynapseAI and Intel optimizations for AI development frameworks.



OpenVINO™

SynapseAI®

TensorFlow PyTorch

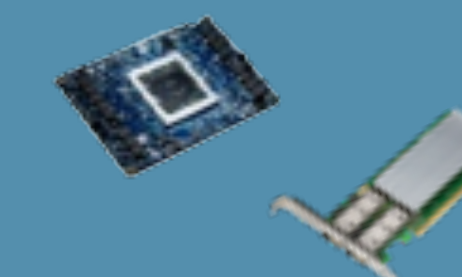
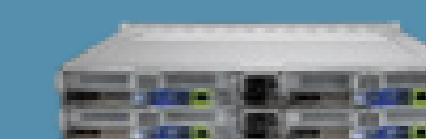
A known and trusted OS foundation from industry leader RedHat.

Red Hat OpenShift

Red Hat Enterprise Linux

Red Hat OpenShift Data Science

A platform optimized for deep learning training and inference acceleration. Performance, reliability and responsiveness of Supermicro, built on 3rd Generation Intel® Xeon® Scalable processors with Habana Labs Gaudi2 Accelerators.



<sup>1</sup> <https://venturebeat.com/ai/the-future-of-ai-deployments-reaching-production-is-bright-in-2021/>  
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