

## Fujitsu Arm-based Processor FUJITSU-MONAKA

ISC High Performance 2025 Vendor Showdown

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### **Energy-efficient Processing for the AI Era**

By 2030, data centers are projected to consume 9% of global electricity generation, with servers accounting for 60% of that energy consumption.

The expansion of AI is driving this demand, impacting everything from operational expenses to global sustainability efforts.

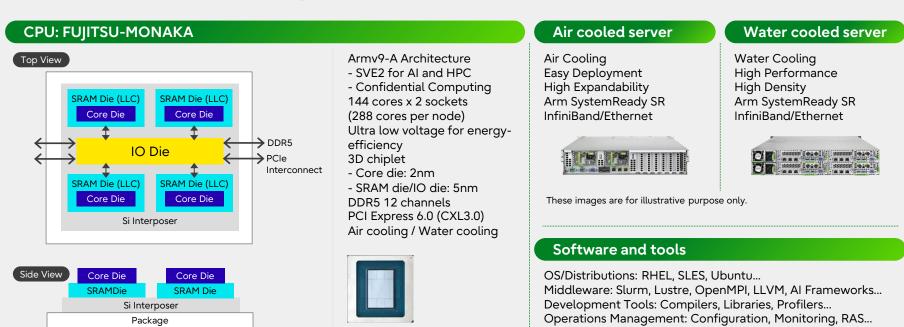
Fujitsu, leveraging its extensive history of processor development, has consistently addressed these challenges as demonstrated by the world-leading supercomputer "Fugaku." Building on this proven track record, we are developing "FUJITSU-MONAKA," a new Armbased processor designed for a wide range of HPC and AI applications from data centers to edge computing



#### **FUJITSU-MONAKA**



- CPUs and servers with a comprehensive software ecosystem, leveraging Fujitsu's HPC expertise
- Generally available in 2027 through Fujitsu and partners



This presentation is based on results obtained from a project subsidized by the New Energy and Industrial Technology Development Organization (NEDO)

## **Fujitsu Computing Direction**



- FUJITSU-MONAKA promises to improve AI and HPC performance and energy efficiency across data centers and the edge
- Looking beyond FUJITSU-MONAKA, Fujitsu is committed to a longterm roadmap that accelerates advancements in HPC and AI, contributing to a sustainable future

#### FUJITSU-MONAKA

HPC x AI across data center and edge

#### **Next-Generation CPU**

Feasibility Studies on Next-Generation Supercomputing Infrastructures

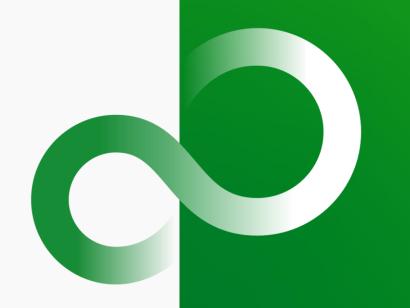
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# Thank you



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