

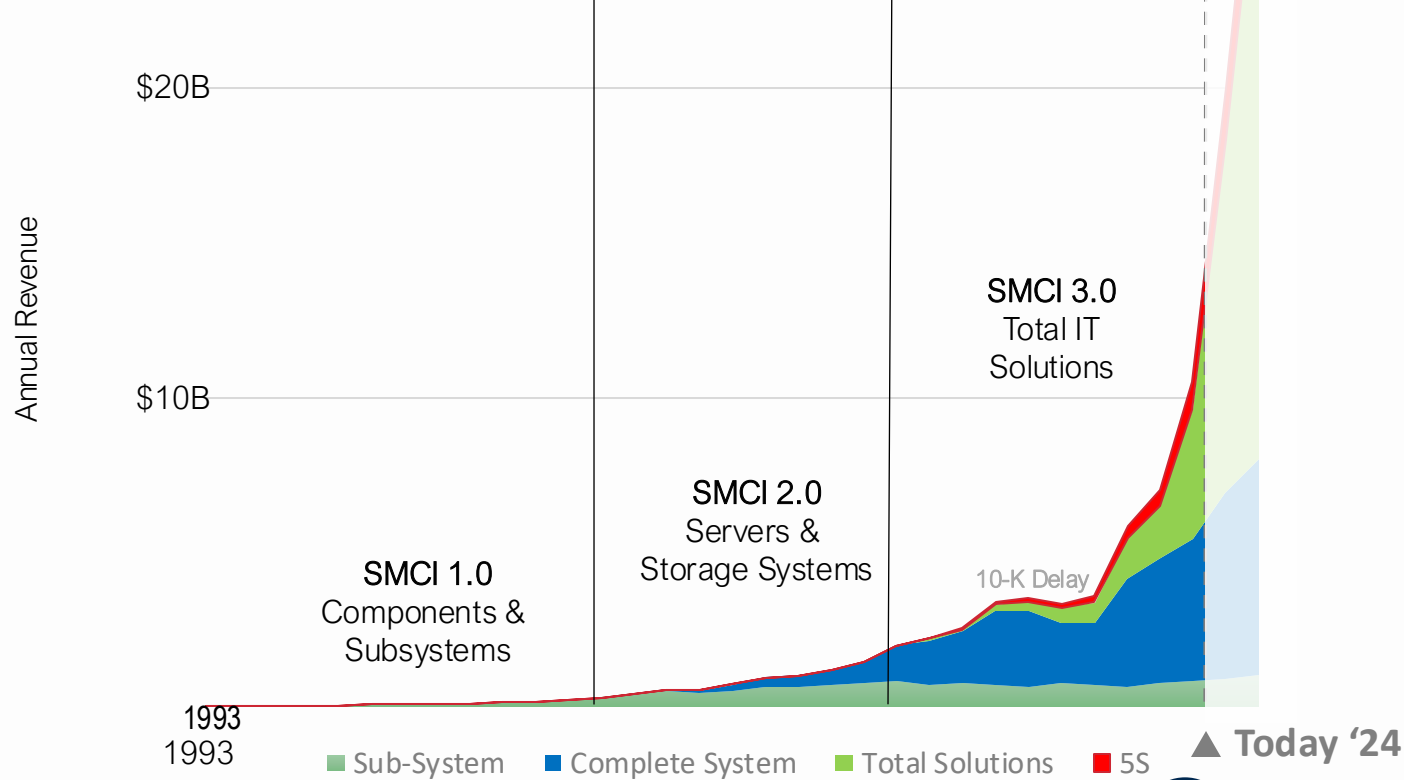


The Total Solution of the Modern Data Center

Zacary Farsolas, Strategic Business
Development Manager, Rack



Total Server Cabinet Solutions Provider



The Supermicro Momentum

10X Faster growth vs. industry avg. over the past two quarters

- **5S: Software, Services, Switch, Storage, Security**
- **Total Solutions: Enterprise, OEM- Appliance / Cloud**
- **Complete Systems**
- **Sub-systems and Components**

Market

1.0

Channel Distributors/VARs

Subsystems: Motherboards, Chassis, Server, Building Blocks

2.0

Complete Systems: Enterprise, Channel

Server Systems: AI/ML Solutions, Digital Twin, SuperBlade, Storage, 5G/Edge/IoT

3.0

Total IT Solutions: Tier-1, 2 CSPs, Enterprise, Channel B2C/B2B

Total Solutions: Rack Scale Solution / Cloud, Management Software, Global Services, Software & Security Suites



SMC HQ Rack Integration Facilities



US B23

- Power Capacity: **1.5 MW per testing line, 2MW Soon**
- Output: **2,500+ racks per month total capacity**
- Rack Testing Capacity: **160 rack simultaneous testing capacity per testing line**



US B21

- Power Capacity: **1 MW**
- Output: **1,000+ racks per month total capacity**
- Rack Testing Capacity: **60 racks simultaneously**
- Input Voltage: **AC 277/480, 230/405, 208**

Global Rack Integration at Scale

11MW

Rack Validation Center

Including over 3MW in High efficiency, greenhouse gas emission reductions, minimized air pollutants, and reduced water use.

5,000+ /mo.

Rack Production Capacity

Production, Testing and Shipping
Integrated Full Scale Rack Solution.

Production Facility

- 55k sq ft manufacturing space
- 12K sq ft dedicated rack assembly/test
- Input Voltage: AC 277/480, 230/405, 208
- SMC/3rd party server, storage, switch

End-to-End Rack Manufacturing

Cooling: Air & Liquid Cooling

Up to 800Gb/s

Network Speed Testing Environment

Including 10/25/40/100/200/400 Gb/s

Top 5 Stages of LC Rack Integration





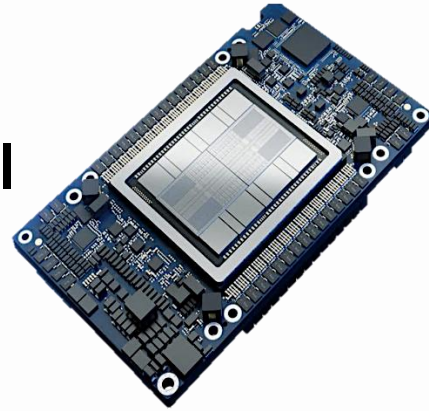
Rack Scale Projects and Capabilities



Introducing SYS-822GA-NGR3



Intel® Gaudi® 3 AI Accelerator



Supermicro X14 Gaudi® 3 System

September Ready for Customer POC

Executive Summary

Bringing choice to the enterprise AI market, the new Supermicro X14 AI training platform is built on the third generation Intel® Gaudi® 3 accelerators, designed to further increase the efficiency of large-scale AI model training and AI inferencing.

With the increased demand for greater training and inference performance, throughput, and capacity, the industry needs purpose-built systems that offer increased efficiency, lower cost, ease of implementation, flexibility to enable customization, and scaling of AI systems.

Available in both air-cooled and liquid-cooled configurations, Supermicro's X14 Gaudi® 3 solution easily scales to meet a wide range of AI workload requirements.

Supermicro Gaudi[®] 3 system: Cluster Architecture



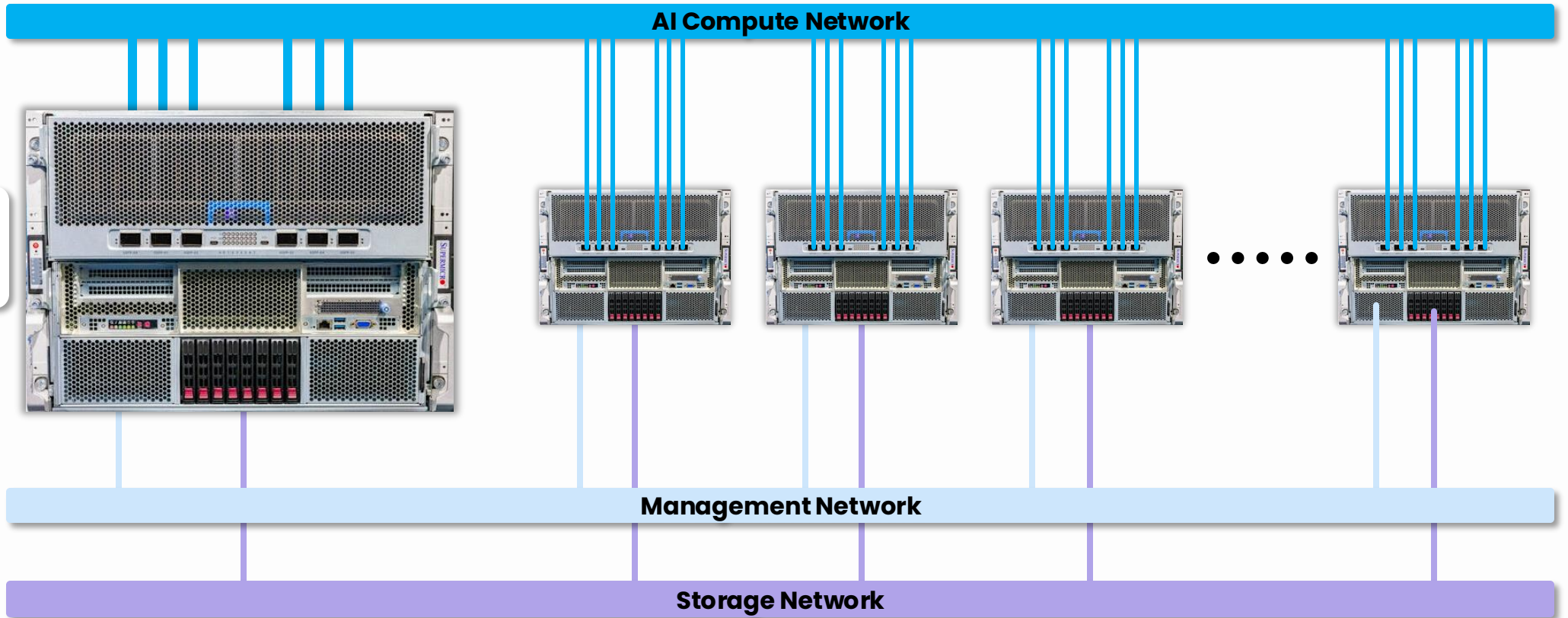
Gaudi[®] Network
RoCE-Based

Cost-effective Ethernet
Switching dedicated to
Gaudi[®] scale-out

It can scale to **1000's** of
nodes using standard
Ethernet 800G switches.

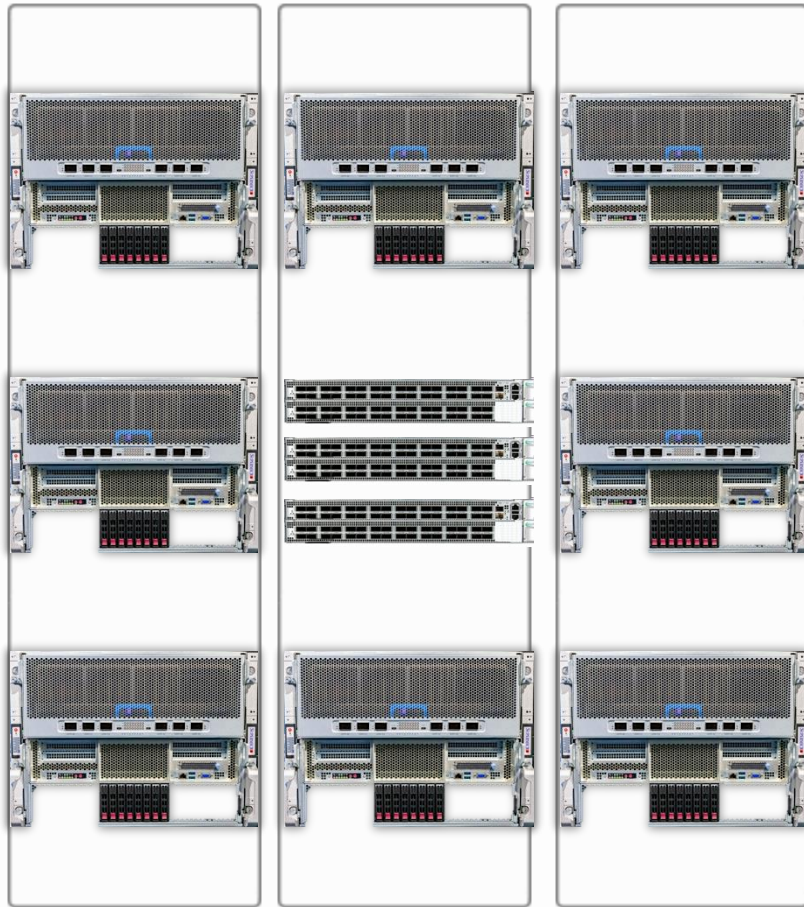
AI Compute Network

On-board
6x 800GbE
OSFP Scale-Out



Rack Scale Architecture: 8-Node = 1 MegaPod

Physical view

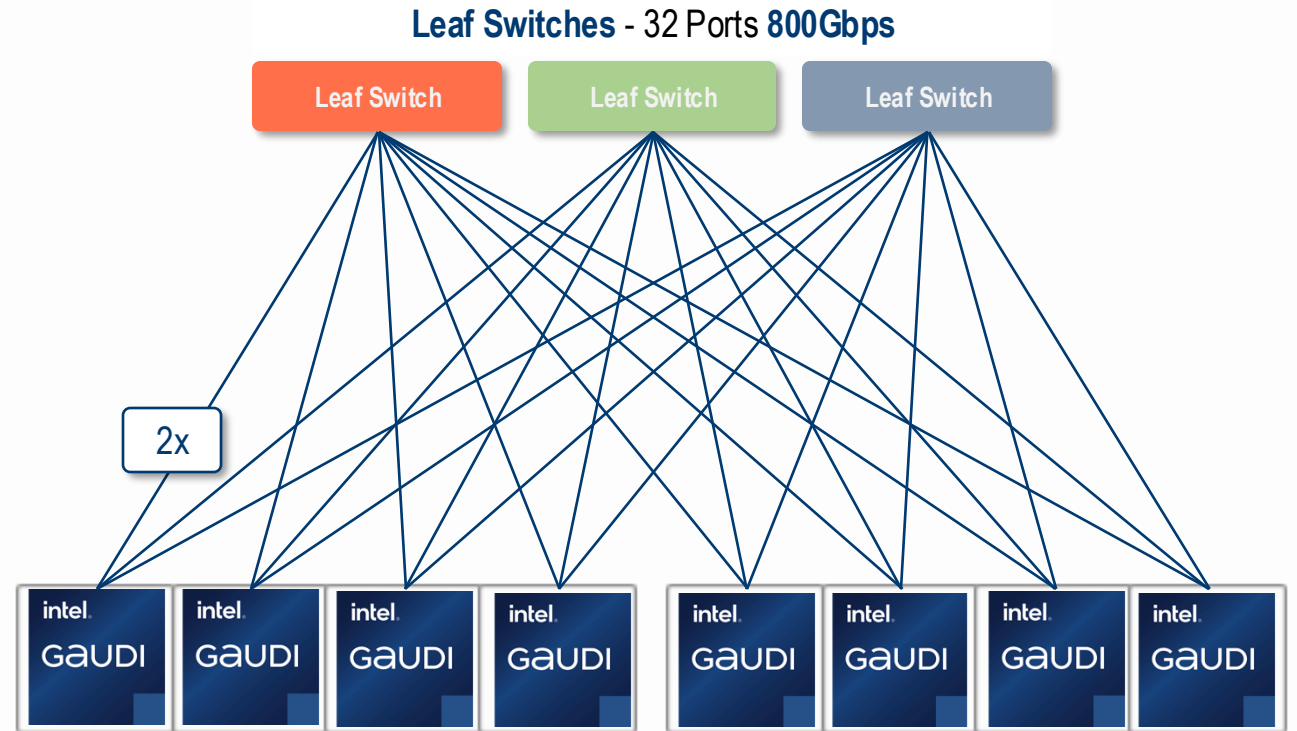


Rack 1

Rack 2

Rack 3

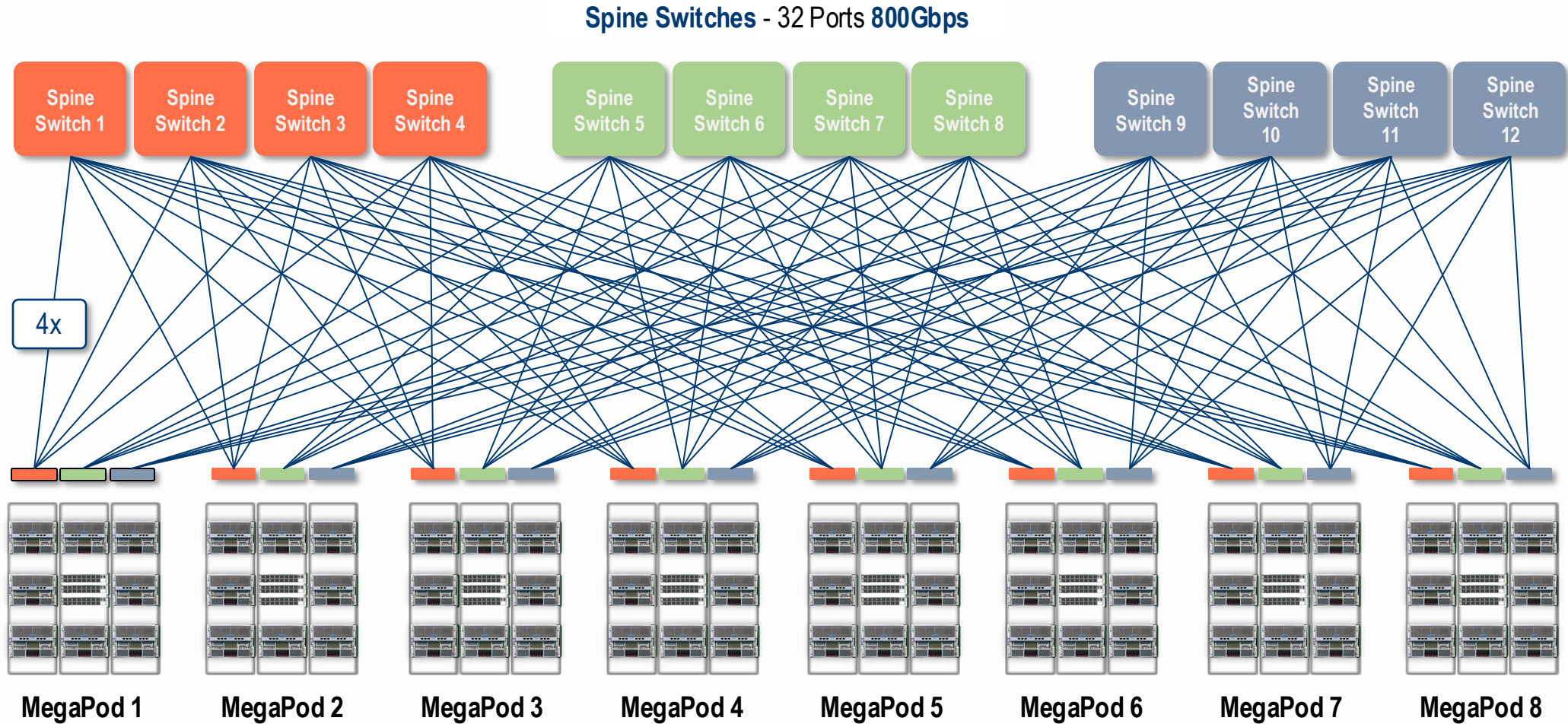
Logical view



Each MegaPod comprises of:

- **8x Supermicro Gaudi®** Series Servers deep learning training processors, totaling to **64x Gaudi®** Series processors per MegaPod
- **3x Supermicro 800Gbps** 32-Port Ethernet leaf switches

Rack scale architecture: 64-Node = 8 MegaPods

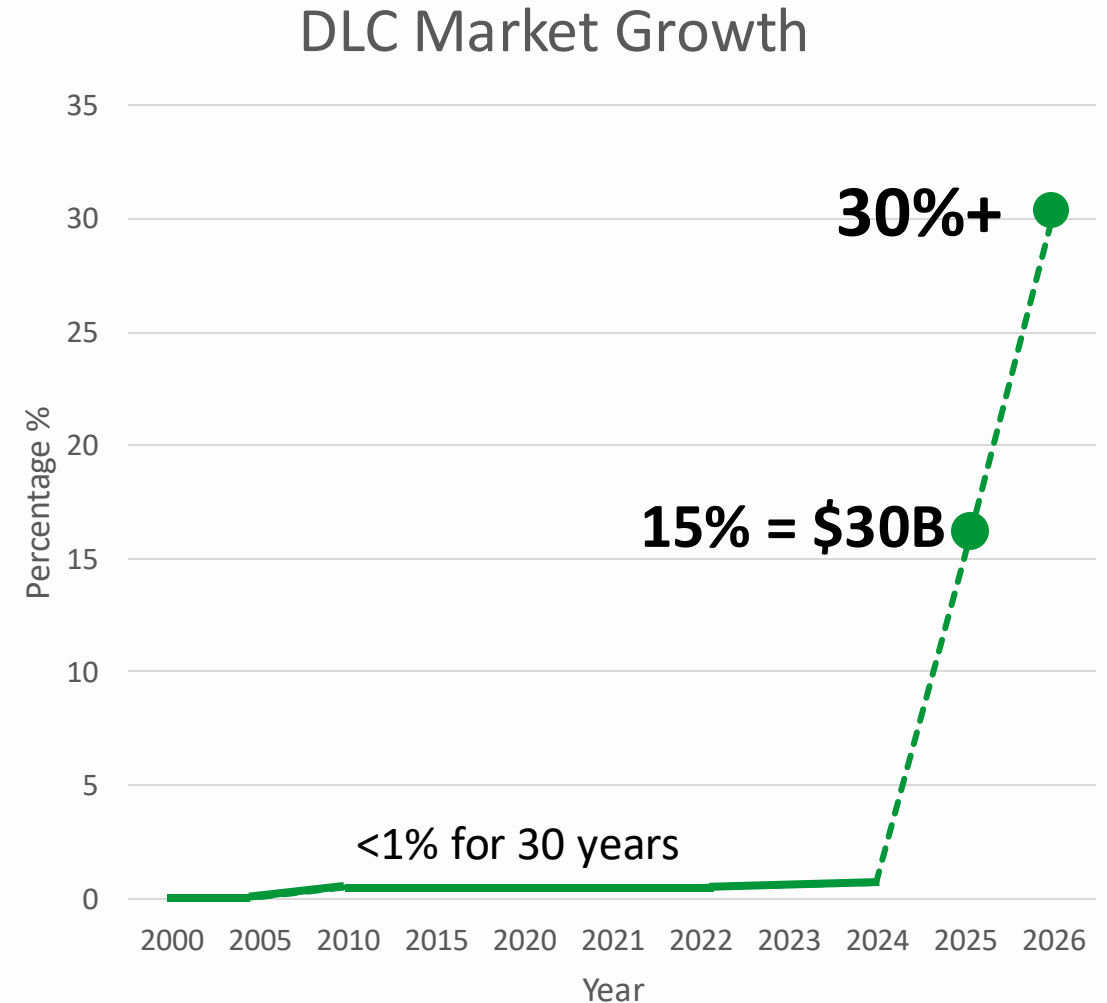


SMC Direct to Chip (Cold Plate) Liquid Cooling Solutions

Liquid Cooling Today



DLC Past	Supermicro DLC Today
Long Lead Time	Supermicro has the scale to deliver DLC in 2-4 weeks with a give forecast
More expensive	Liquid Cooling can be free
Reliable	Higher performance and solid uptime
DLC has <1% market share for the past 30 years	DLC targeting 15% new data center deployments within 1 year



0-3% Net Savings on initial CAPEX - Mid-Size LLM HW Requirements

Supermicro Closed-Loop Liquid Cooling Tower



Simplify Facility-Side Liquid Cooling Infrastructure

Supermicro Liquid Cooling Tower Key Advantages



Lower Power
Consumption



Lower Water
Consumption



Rapid
Deployment

How it works

- The warm liquid flows through coils in the cooling tower
- Water from a separate water source is sprayed over the coils which cools the “process water” via evaporation
- The process water and sprayed water never contact each other directly. The process water is clean from all the pollution from the air and the buildup of water residues.

Our Key LC Advantages

Delivery Over 1,350 LC Racks/mo. NOW

From Server to Rack PnP to Water Tower

The End-to -End advantage. Total Solution.

First to Market!

Time to Delivery - 2 Week Lead Time!

Product Portfolio - A solution for every customer

On-Site Deployment and Services/Maintenance

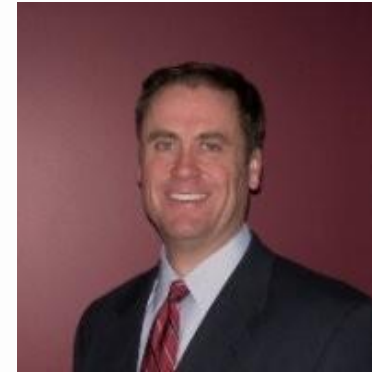
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