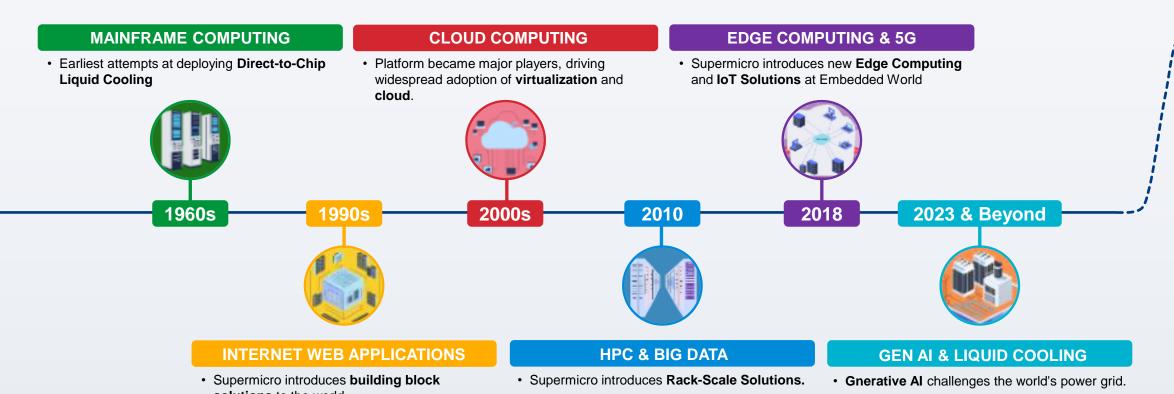




- **01** AMD Product Portfolio Lineup
- **02** Liquid Cooling Total Solutions
- 03 Software Management Solutions (SCC)
- 04 GPUaaS & Al Cloud

## Industry Shifts: How do we design our Data Centers?



solutions to the world

 Supermicro drives global Direct-to-Chip Cooling market adoption to 30%, integrating Green Computing as the core of Al supercomputing.

# Supermicro H14 Systems with AMD EPYC<sup>™</sup> 9005/9004 Series Processors



**Hyper DP** 

Flagship Power and Flexibility Rackmount Server



CloudDC with DC-SCM

Ultimate Scalability and Flexibility for Cloud Data Center



**GrandTwin®** 

High Density Combined with I/O Flexibility



**FlexTwin**<sup>™</sup>

Max Density, High-Performance Multi-Node System with Liquid Cooling



**5U PCIe GPU System** 

GPU-Dense Servers Optimized for Compute Intensive Workloads



**4U Liquid cooling Universal GPU System** 

For AI/ Deep Learning and HPC MI325X



**8U Universal GPU System** 

Next Generation MI325 Machine Learning Platform

\* 500W support depends on thermal result



10U GPU System

Superior AI Applications and Large Language Models

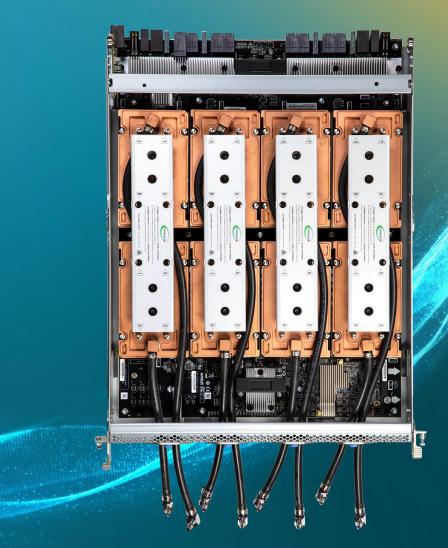
## Advantage of Supermicro & Instinct™ MI300X

#### **Supermicro Universal GPU Platform**

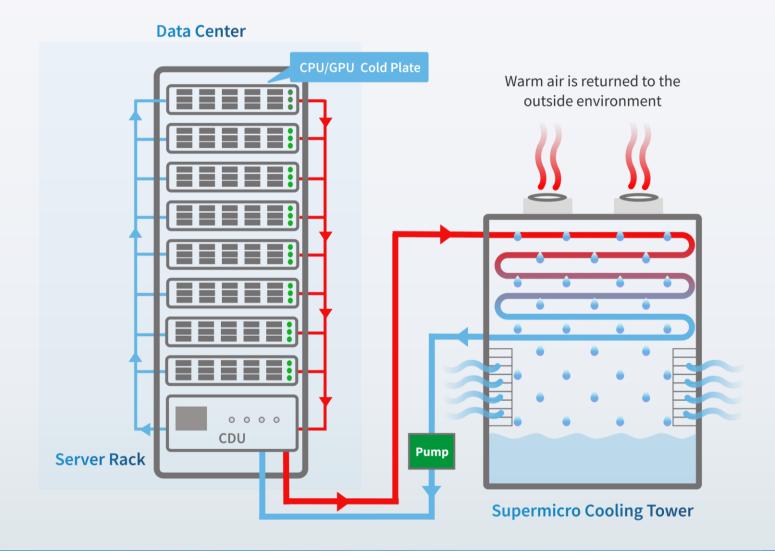
- Al Training & Inferencing
- Front Access Design for Easy Maintenance
- Maximum Density for Space Saving
- Direct-to-Chip End-to-End Single Vendor Solution



Scan to learn more system detail!



## Liquid Cooling Overview



## How Direct-to-Chip Can Help

#### DLC Blooming Al Infra to Peak

- Allows GPUs to Reach Maximum Performance
- Lower Electricity Costs
- Lower Acoustic Noise
- Buy more, Save more!

## Liquid Cooling Advantages



#### REDUCTION

Electricity Costs of Cooling
Infrastructure in Server



#### REDUCTION

in Electricity Costs for Entire Data Center





## Liquid Cooling End-to-End Single Vendor

#### Design

## Assembly & Configuration

## Testing & Validation

## Delivery & Deploy

#### Service Support

- ✓ Power Budget Consulting
- ✓ Rack Layout Optimization
- ✓ BOM Creation
- ✓ POC Available for large scale projects

- ✓ Rack level Installation of CDU, CDM, hoses, tubes etc.
- ✓ Cabling and Labeling
- ✓ Third Party Equipment Integration

- ✓ Complete rack level in house testing
- ✓ Multi-Vendor Compatibility test
- ✓ Full Rack Power Measurement
- ✓ Performance Benchmarks

- ✓ High quality packing and shipping
- ✓ On site deployment services
- ✓ Asset Labels, Unpacking Instructions, Customer User Manual

- ✓ Customer Training after Deployment
- ✓ Seamless logistics for regional and global customers.

SUPERMICRO AMD

# Too Many Systems to Manage?



Supermicro's Got Your Back!



## SuperCloud Composer (SCC)



#### Advantages:

- GUI (Graphic User Interface) for easy server configuration
- Monitors Supermicro servers & 3rd party systems
- Server Monitoring with Historical Data
- Components to Cooling Tower Level Health Alert
- Reliable Scalability for servers of all sizes



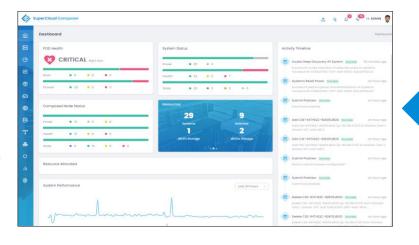
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## SCC Liquid Cooling Management

#### SCC

#### IT Admin

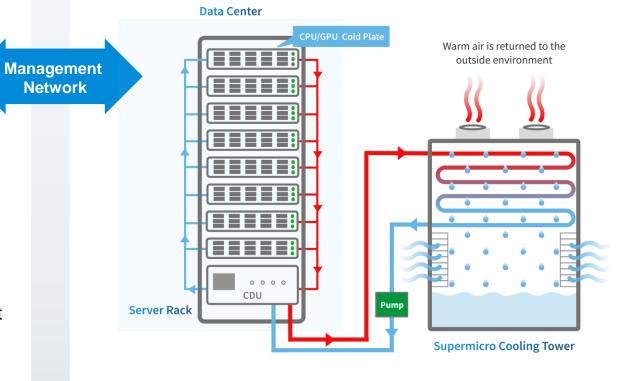




#### **SCC Features**:

- Liquid Cooling Rack Space Management
- CDU and Cooling Tower Physical Assets Management
- CDU and Cooling Tower Live Sensor Reading with Historical Data

#### **Supermicro Total Liquid Cooling Solution**





# Supermicro Al Cloud Platform Solution

Speed-up your GPU / AI Cloud Business

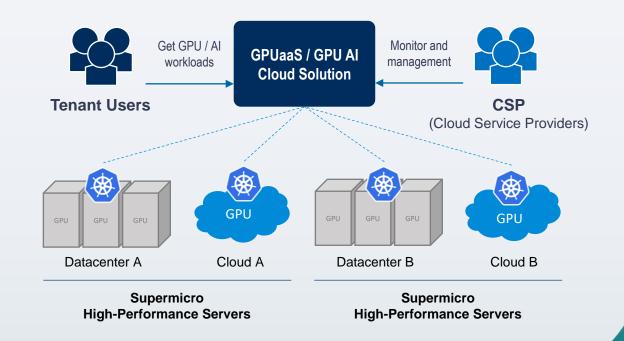
UPERMICRO AN

# Enables Cloud Service Provider(CSPs) to Sell Compute Resources on Pay-as-You-Go Basis

- **Efficient GPU allocation**
- Unified containerized resource pooling
- Multi-tenant flexible shared/dedicated policy
- Streamlined GPU cloud operations

#### AI DEVELOPMENT

#### **GenAl INFERENCING**



SUPERMICRO AMD

#### What is GPUaaS and AI Cloud?

**GPUaaS** 

Provides on-demand access to GPU resources over the cloud.

#### **Use Cases:**

- AI / ML infrastructure provision
- High-performance data analysis

#### **Customer Key Requirement:**

- Scalability and Flexibility
- Cost Efficiency
- Multi-Tenant Architecture

#### **Al Cloud**

**Specifically designed to support Al workloads using GPUs.** 

#### **Use Cases:**

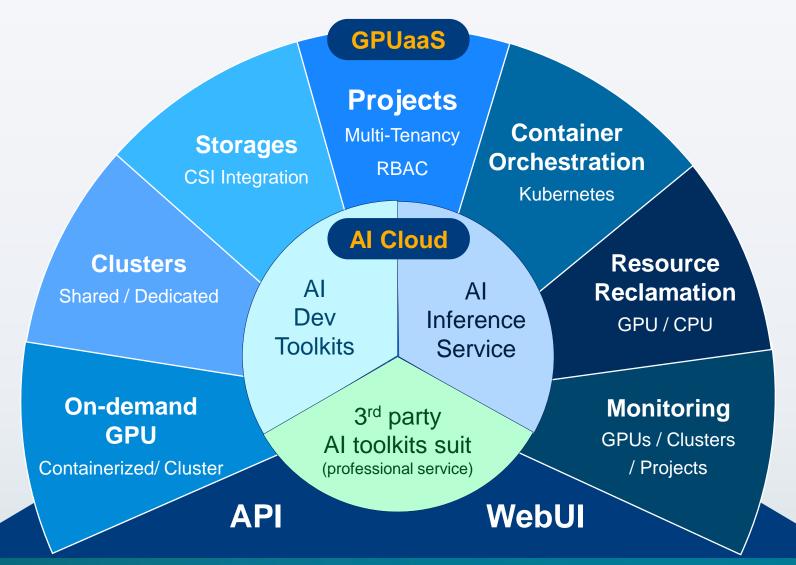
- Al model training
- Al inferencing service

#### **Key Benefits to End-user:**

- End-to-End AI Environment
- Integrated AI Tools
- Generative AI & LLM Scalability
- All the GPUaaS requirements.

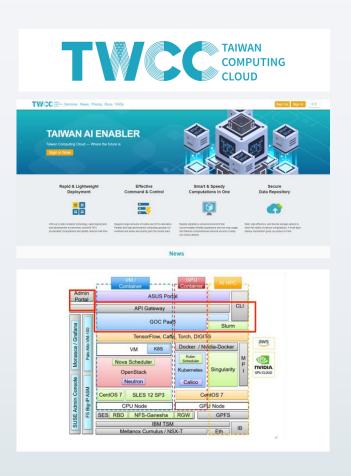
Supermicro AMD

## Supermicro GPUaaS / AI Cloud Platform Solution



### Success Story

#### **Taiwan's Largest CSP for AI: NCHC**



#### **Well-Known Medical Institution Private GPU Cloud**

北榮一號雲 (VGHTPE No.1 Cloud)



#### **Enterprise Private GPU Cloud** for Smart Manufactory

**Vanguard International Semiconductor Corporation (VIS)** 



