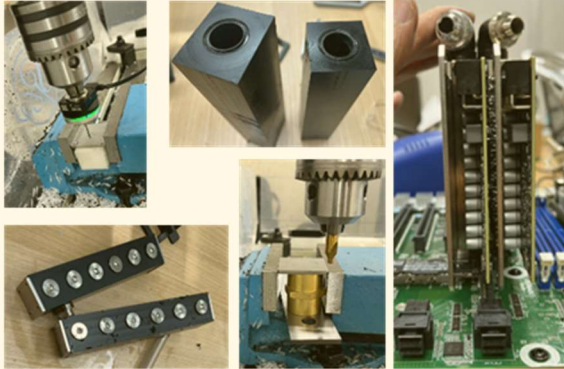# D L S   C U B E

Create without limits
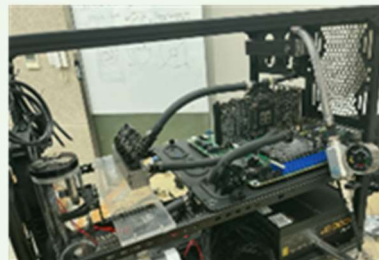

Features

- Physics dynamic optimized liquid cooling design

- CoolGX technology

    - Unlimited CPU and GPU TDP

    - Fully integrated hardware & software

    - Active thermal monitoring and cooling control

    - In-house design/CNC machining

- High performance GPGPU computing on the office table

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Designed for HPC

In-house Design/Machining for Single Slot GPU WB

High Pressure Validation

QDC & Best Flowrate

Heat Dissipation

High Pressure & Flow

CoolGX Smart Control

RTX 3090 x 6
Dual ATX SPC

DLS CUBE

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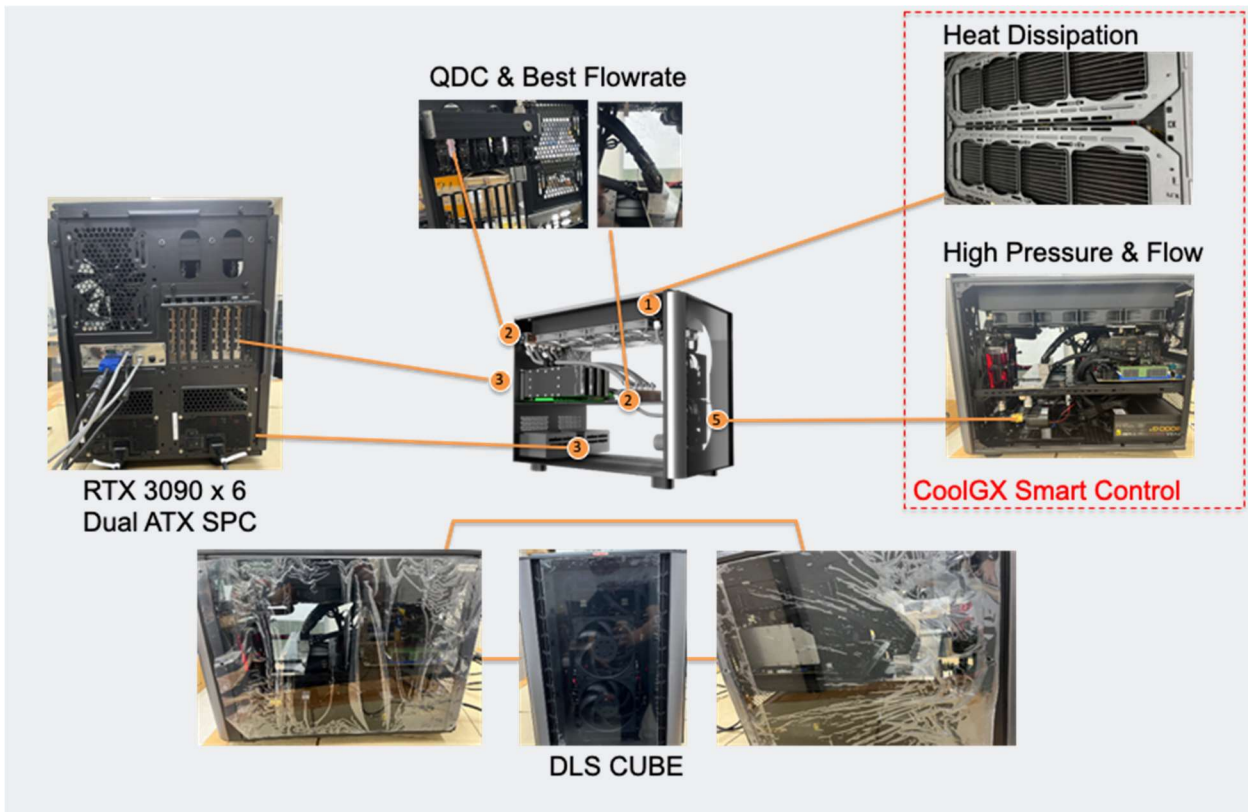
Technical Specification

	Base Configuration	Optional Configuration
Processor	Single AMD EPYC 7002/7003/9004	
	AMD EPYC 7702P (64C/128T, 2.0~3.35GHz, 256MB)	All other AMD EPYC model up to 128 cores 256 threads (9004 Bergamo)[1]
GPU	RTX 3090 x 6ea	RTX A6000 x 6ea *Contact us for other GPU models[2]
Memory	DDR4 32GB 3200MHz x 8ea	DDR4 64GB 3200MHz x 8ea
Storage	2 x M.2, 1 x 2.5" internal drive, 3 x 3.5" internal drive bay	
	1TB M.2 for OS 2TB 2.5" SATA3 for Docker 12TB 7200K 3.5" SATA3 x 3ea	8/10/12/14/16TB 7200K 3.5" SATA
Cooling	CoolGX[3] – Thermal management – Active Monitoring & Control Max. air flow: 1,241CFM, 12.92mm–H2O 2L Super Coolant[4]	
	Max. Flowrate (22LPM/1.6 bar) Max. 2000W heat dissipation @ room temperature Max. 38dBA noise @ 1M	Max. Flowrate (35LPM, 1.6 bar flowrate) 4000W heat dissipation @ room temperature Max. 58.8dBA noise @ 1M
Power Supply	3000W SPC	4000W SPC
IO Interface	10Gb Ethernet Network x 2ea 10/100/1000 IPMI Ethernet Network x 1ea VGA x 1, Serial x 1, USB-C x 1 PWR Button, Reset Button, USB 3.0 x 2 Audio/Mic/USB-C/USB 2.0[5]	

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[1] Bergamo will be available Q4'23

[2] Contact sales partners or email to support@hpcmate.com

[3] Find more information @ http://wiki.hpcmate.com/index.php/CoolGX

[4] DLS CUBE use special combination of chemical coolant, do not mix other coolant. Contact us to get additional coolant

[5] Only available with special version of motherboard

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Software	HM Kernel optimized Ubuntu 20.04 LTS HM DLS framework with Zetabyte storage engine[6]	UCM Cluster Plugins[7]
Support	User manual, Online Technical Support	HM Pro care
Dimension	394 x 515 x 662 (W x H x D) mm / 35Kg	
Options		Wheel trolley for mobility SGCC patterned top cover to maximize air flow

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[6] Please refers to the DLS framework or Zetabyte engine manual http://wiki.hpcmate.com/index.php/Manual:DLS

[7] Find more information @ http://wiki.hpcmate.com/index.php/UCM

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