



X-Class Grando

The Ultimate Liquid-Cooled Multi-GPU Workstation and Server

Powered by Comino



X-Class Grando

Product Overview

The ORIGIN PC X-Class Grando is a next-generation liquid-cooled multi-GPU workstation and rackable server built for professionals who demand uncompromising performance, efficiency, and reliability. Co-engineered with Comino Cooling, the X-Class Grando delivers sustained full-load operation with zero thermal throttling—empowering AI researchers, digital artists, engineers, and scientists to push the limits of what’s possible.

Featuring support for up to 8 GPUs and dual high-core-count CPUs from Intel Xeon or AMD EPYC and Threadripper PRO families, X-Class Grando scales effortlessly across AI model training, 3D rendering, simulation, data visualization, and deep learning workloads. Its 6.5 kW cooling capacity ensures stable 24/7 performance even in ambient temperatures up to 38 °C (100 °F), while redundant power supplies and modular quick-disconnect liquid loops make servicing and upgrades fast and reliable.

Designed for versatility, X-Class Grando can be deployed as a desktop workstation or a 4U rackmount compute node, making it ideal for both production studios and enterprise data centers. With ORIGIN PC’s craftsmanship, lifetime support, and customization options—powered by Comino’s advanced thermal engineering—the X-Class Grando represents the pinnacle of multi-GPU performance and professional reliability.





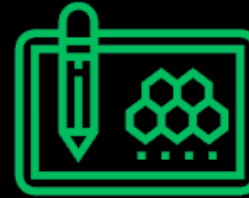
Built for Every Workflow



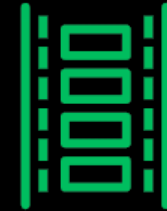
AI & ML



Forensics
&
Password
Recovery



Engineering
&
Research



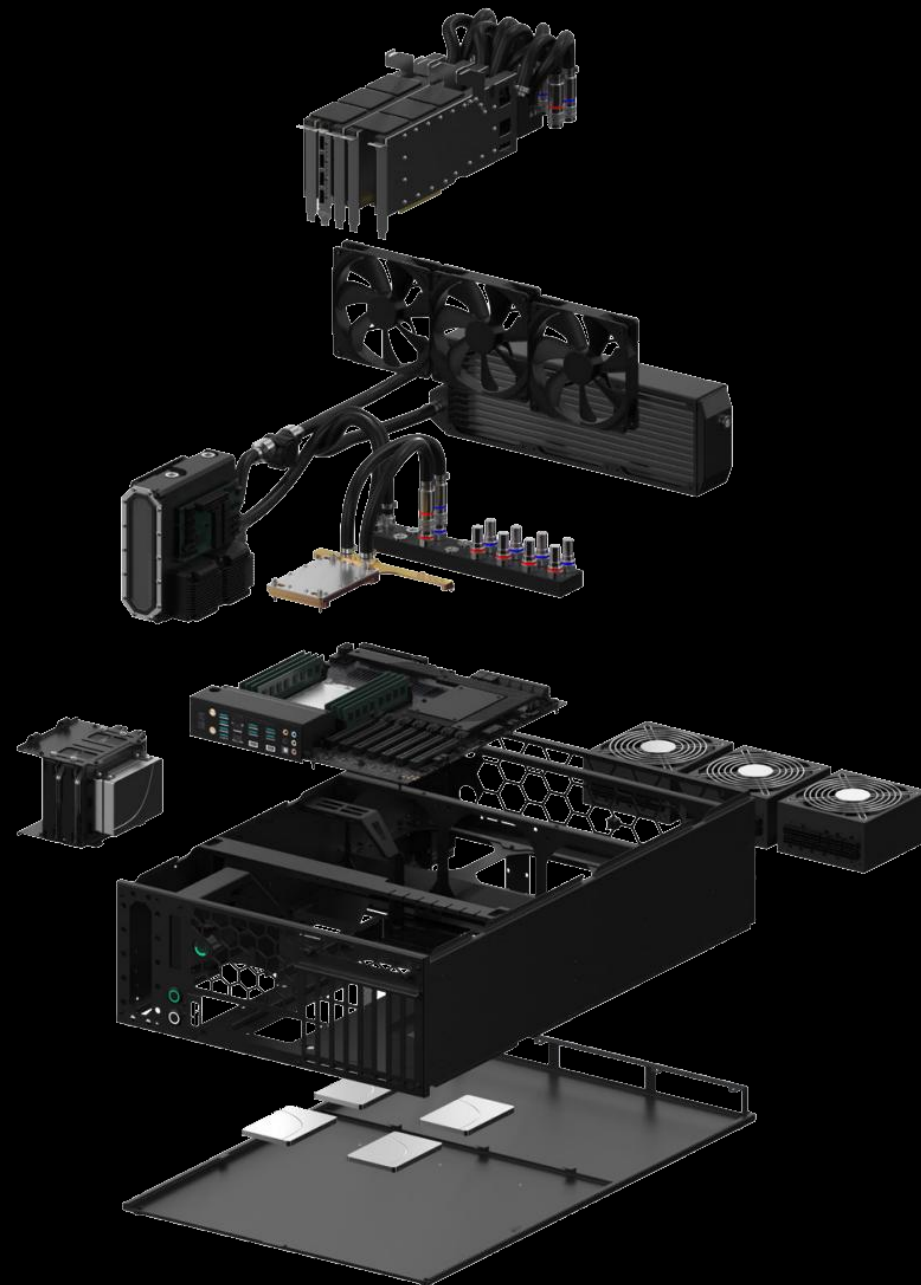
Media &
Entertainment



X-Class Grando

Specifications (Workstation)

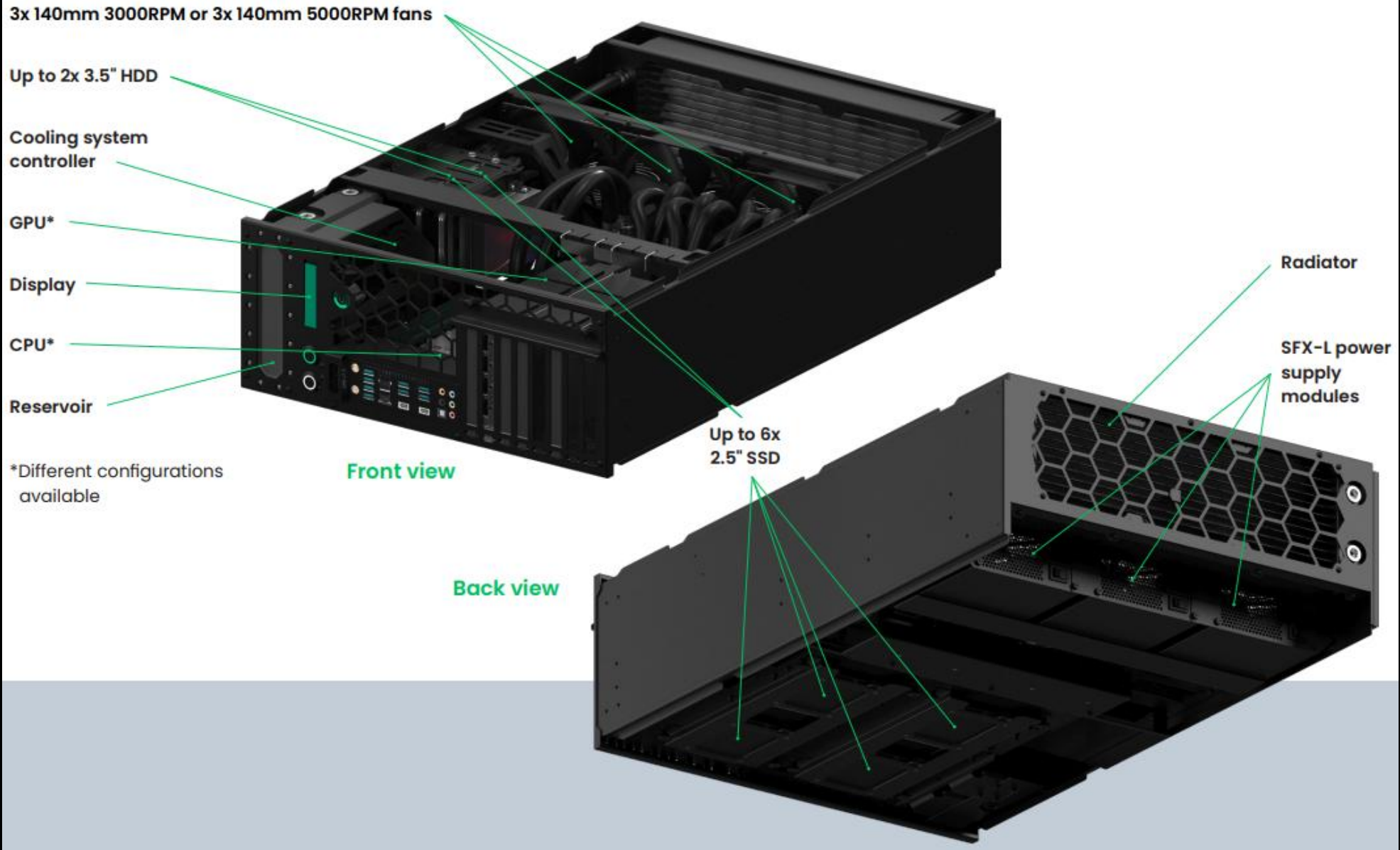
- Motherboards: Up to EATX/EEB
- RAM: Up to 2TB *
- Storage:
 - M2 drives: Up to 8x NVME
 - Internal 3.5" cage: up to 2x 3.5" or 2x 2.5" 15mm or 4x 2.5" 7mm;
 - Internal 2.5" slots: up to 6x 2.5" SSD 7mm
- PSU and operating voltage:
 - Up to 3x 1000W SFX-L @ 110/220V
- Cooling Capacity: 2.5kW
- Noise level: 39dB - 50dB
- Network: Up to 2x 10 Gbit/s on the MoBo and up to 400Gbit/s in PCIe
- OS: Ubuntu / Win 11 (Pro/Home) / Windows Server
- Liquid cooling: CPU with VRM and GPU with GDDR and VRM
 - Reservoir: Comino custom 450ml with integrated pumps
 - Pumps: 2x Laing DDC 20W
 - Radiators: 1x 120x360mm core
- Fans:
 - 3x Low Noise 140mm 3000RPM (low noise level)
 - or
 - 3x High Flow 140mm 5000RPM (medium noise level)
- Installation: Desktop as a Workstation or 19" rack-mountable
- Required rack space: 4U
- Dimensions: 439 x 681 x 177mm (without handles and protruding parts)
- Weight: Workstation - 4x CRPS and 6 GPUs — 45kg (net), 72kg (gross)
- Operating & Storage temperature range:
 - Storage: -5..50°C / 23..122°F
 - Operating: 3..38°C / 38..100°F



* Varies based on the configuration. Reach out to our sales team for more details.



System Overview (Workstation)

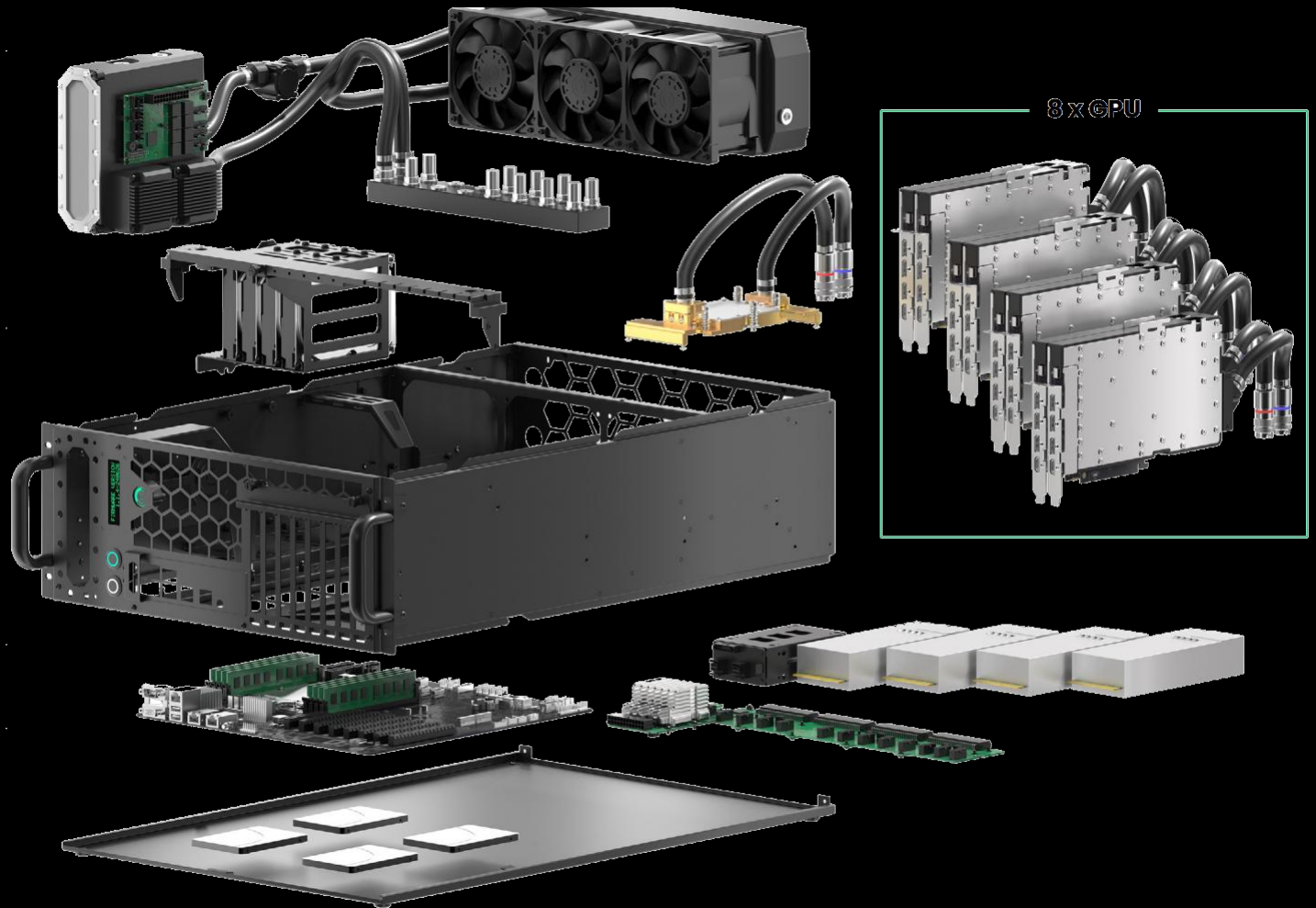




X-Class Grando

Specifications (Server)

- Motherboards: Up to EATX/EEB
- RAM: Up to 2TB *
- Storage:
 - M2 drives: Up to 8x NVME *
 - Back panel hot swap cages:
 - up to 4x hot swap SSDs (4x 7mm or 2x 15mm) and
 - up to 4 more (4x 7mm or 2x 15mm) instead of 4th PSU;
 - Internal 3.5" cage up to 4x 3.5" or 4x2.5" 15mm or 12x 2.5" 7mm;
 - Internal 2.5" slots: up to 4x 2.5" SSD 7mm *
- PSU and operating voltage:
 - Up to 4x 2000W Hot Swap CRPS @ 180-264V
 - Up to 4x 1000W Hot Swap CRPS @ 90-140V
 - Redundancy modes: 4+0, 3+1, 2+2
- Cooling Capacity: 2.5kW
- Noise level: 39dB - 70dB
- Network: Up to 2x 10 Gbit/s on the MoBo and up to 400Gbit/s in PCIe
- OS: Ubuntu / Win 11 (Pro/Home) / Windows Server
- Liquid cooling: CPU with VRM and GPU with GDDR and VRM
 - Reservoir: Comino custom 450ml with integrated pumps
- Fans:
 - 3x Ultra High Flow 6200RPM (high noise level)
 - or
 - 3x High Flow 3000RPM (low noise level)
- Installation option: 19" rack-mountable or standalone as a Workstation
- Required rack space: 4U
- Dimensions: 439 x 681 x 177mm (without handles and protruding parts)
- Weight: 4 GPUs — 49kg (net), 67kg (gross)
6 GPUs — 52kg (net), 70kg (gross)
8 GPUs — 55kg (net), 72kg (gross)
- Operating & Storage temperature range:
 - Storage: -5..50°C / 23..122°F
 - Operating: 3..38°C / 38..100°F *



* Varies based on the configuration. Reach out to our sales team for more details.



System Overview (Server)

3x 120mm Ultra High Flow 6200RPM fans
or 3x 140mm Normal Flow 3000RPM fans

Up to 4x 3.5" HDD

Cooling system controller

Up to 8 GPUs*

Reservoir

Display

Up to 2 CPUs*

Front view

Back view

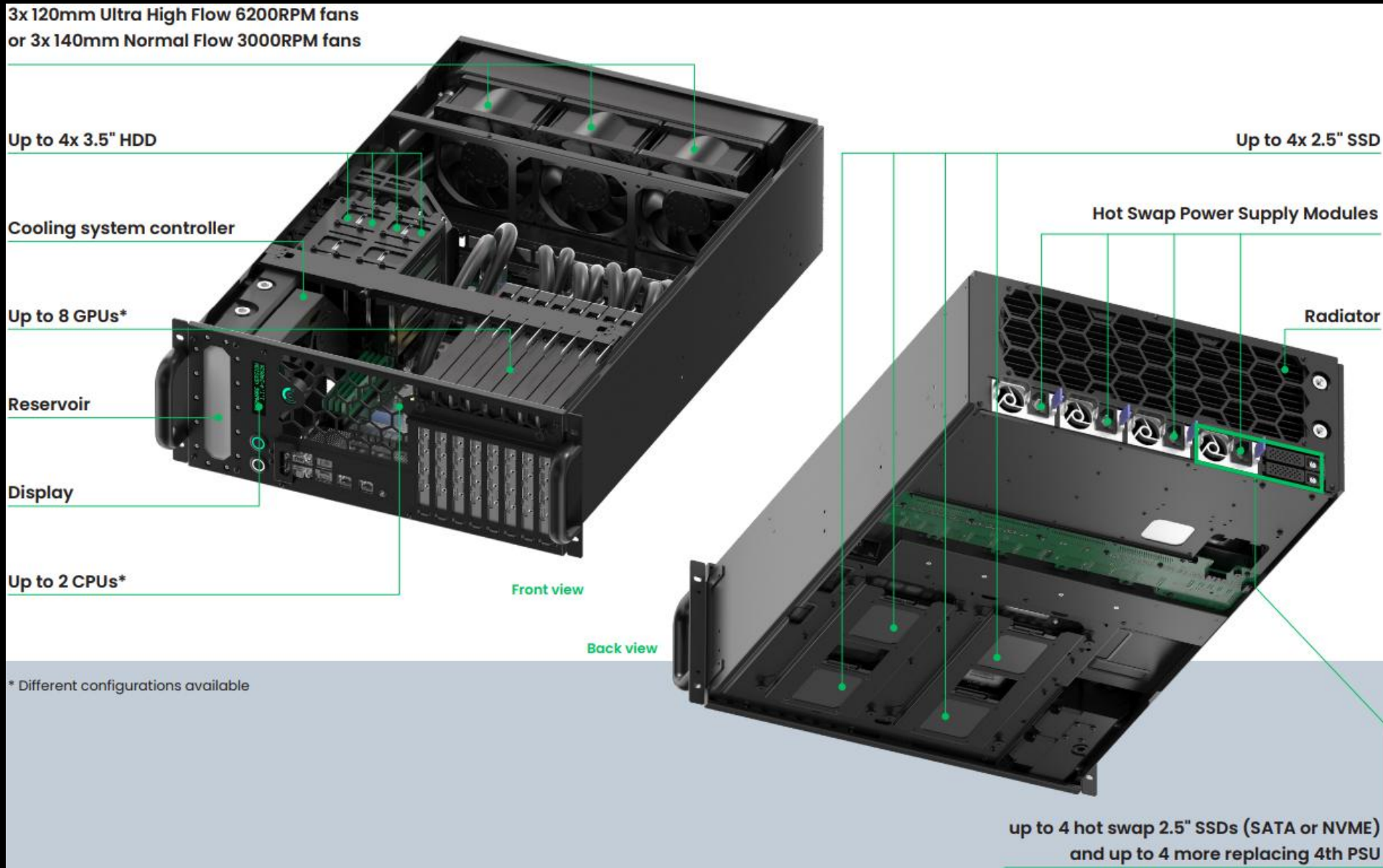
Up to 4x 2.5" SSD

Hot Swap Power Supply Modules

Radiator

* Different configurations available

up to 4 hot swap 2.5" SSDs (SATA or NVME)
and up to 4 more replacing 4th PSU





X-Class Grando

Key Features

- LIQUID COOLED
 - Comino liquid cooling system unleashes the full performance potential of modern top-tier GPUs and CPUs, allows to prolong lifespan of the hardware and ensures 24/7 operation even in harsh environment with no thermal throttling.
- QUICK-DISCONNECT COUPLINGS
 - Quick Disconnect Couplings (Comino TheQ) on each GPU and CPU allows to simplify maintaining and reduce maintenance time to increase system availability.
- REMOTE MANAGEMENT
 - BMC chip to provide intelligence for its IPMI architecture for out-of-band management to enhance hardware-level control for improved IT efficiency.
- COMINO'S MONITORING SYSTEM
 - Allows to collect cooling system log offline to analyze device usage history, log failure events, and to monitor the temperature statistics. Web based GUI allows to inspect several devices remotely. The monitoring system increases system availability.
- REDUNDANT POWER SUPPLY (CRPS)
 - Designed for use in critical IT infrastructure. It provides reliable power for your system without limitation. PSU work at whole spectrum voltage 100-240VAC and 240VDC and provide N+M redundancy.

WORKSTATION:

- Up to 6 GPUs & 2 CPUs
- Designed to be used as a desktop or can be put in a rack
- 3x 140mm fans 3000 RPM (low noise level) OR 3x 140mm 5000RPM (medium noise level)
- Cooling Capacity up to 2.5kW

SERVER:

- Up to 8 GPUs & 2 CPUs
- Designed to be used in a rack or put on a table
- Redundant Power supply system up to 4x 1600W CRPS modules (operates up to 4+0, 3+1, 2+2).
- Power capacity up to 6.5kW
- 3x Ultra High Flow fans 6200RPM each (high noise level) or 3x 140mm 5000RPM (medium noise level)
- Cooling Capacity up to 4kW
- Optional installation of up to 8 hot swap SSDs (SATA or NVME)





Powered by Comino Liquid Cooling

- **Built around Liquid Cooling Technology**
 - Maximizes the benefits of liquid-cooling & minimizes its drawbacks
 - Designed, manufactured, and tailored components
 - Provides the access to unique configurations
- **Engineered – not just assembled**
 - Liquid-cooling components either manufactured or validated by Comino Quality Assurance cycle from idea to support in single hands
- **As easy as air cooling**
 - Easy configurable and upgradable
 - No need for a special engineer or infrastructure
 - Up to 3 years of maintenance-free operation





Powered by Comino Liquid Cooling

- **Cooling Efficiency & ROI**
 - 30% higher sustained performance, 40% lower power consumption, reliable high-temp operation.
- **Thermal Architecture**
 - Front-to-back airflow. Liquid loop isolates CPU/GPU thermals. Motherboard front-positioned for optimal cooling.
- **Engineered for Reliability**
 - 24/7 operation. Redundant PSUs up to 8kW. N+M redundancy. Stable up to 38°C ambient.
- **Easy Maintenance & Remote Management**
 - Quick Disconnect Couplings. Web-based monitoring. IPMI remote management. 3-year maintenance cycle.

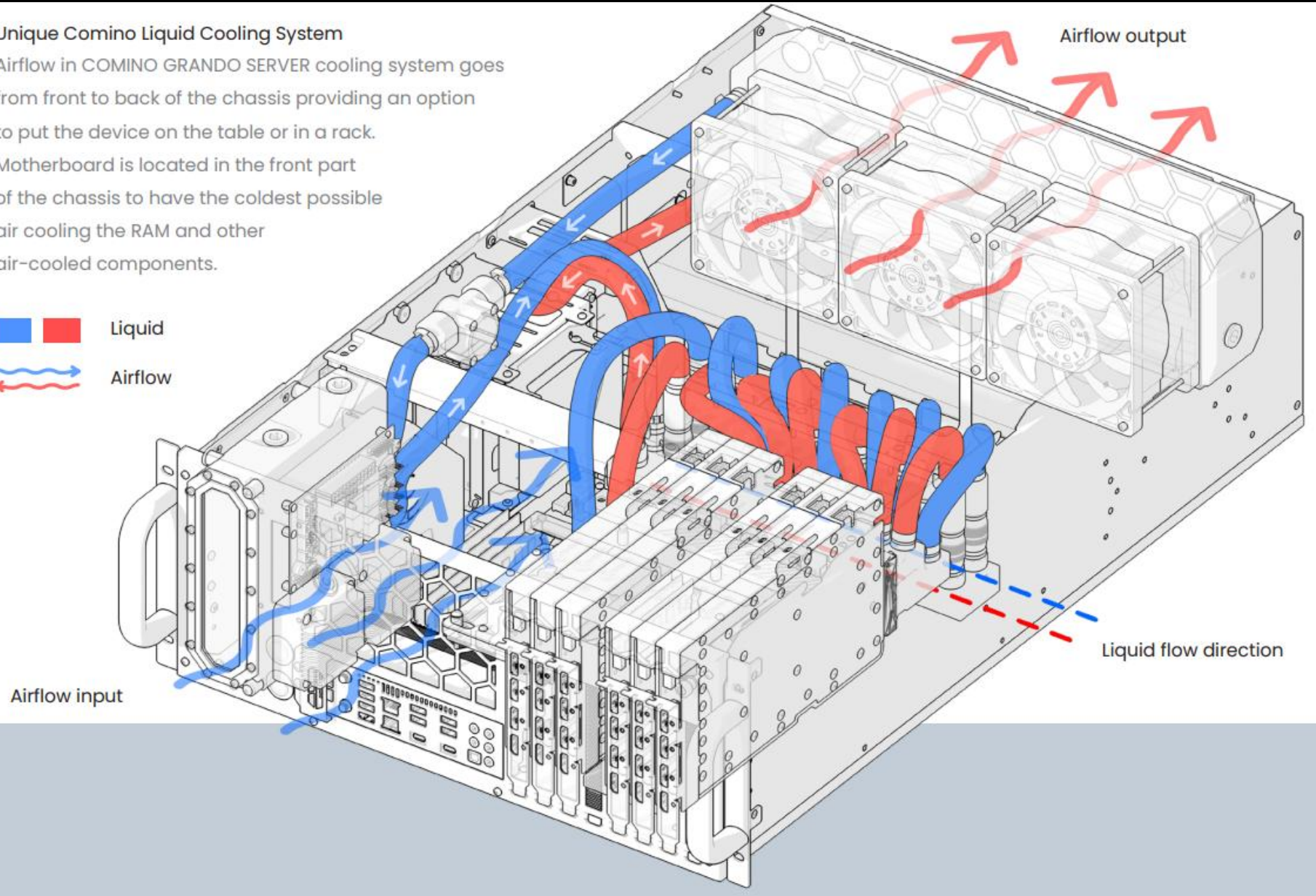




Cooling System (Server)

Unique Comino Liquid Cooling System

Airflow in COMINO GRANDO SERVER cooling system goes from front to back of the chassis providing an option to put the device on the table or in a rack. Motherboard is located in the front part of the chassis to have the coldest possible air cooling the RAM and other air-cooled components.





Cooling System (Workstation)

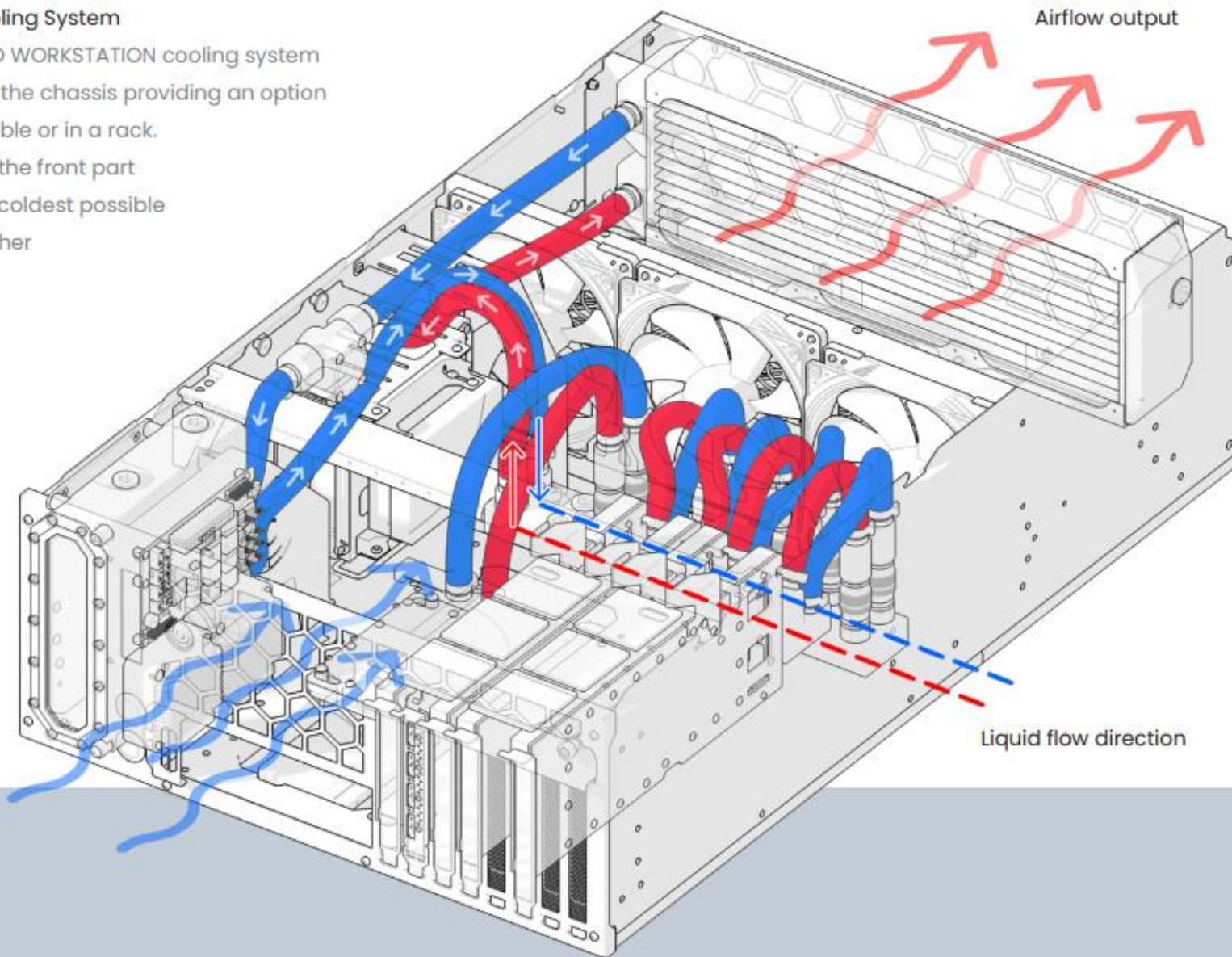
Unique Comino Liquid Cooling System

Airflow in COMINO GRANDO WORKSTATION cooling system goes from front to back of the chassis providing an option to put the device on the table or in a rack.

Motherboard is located in the front part of the chassis to have the coldest possible air cooling the RAM and other air-cooled components.



Airflow input

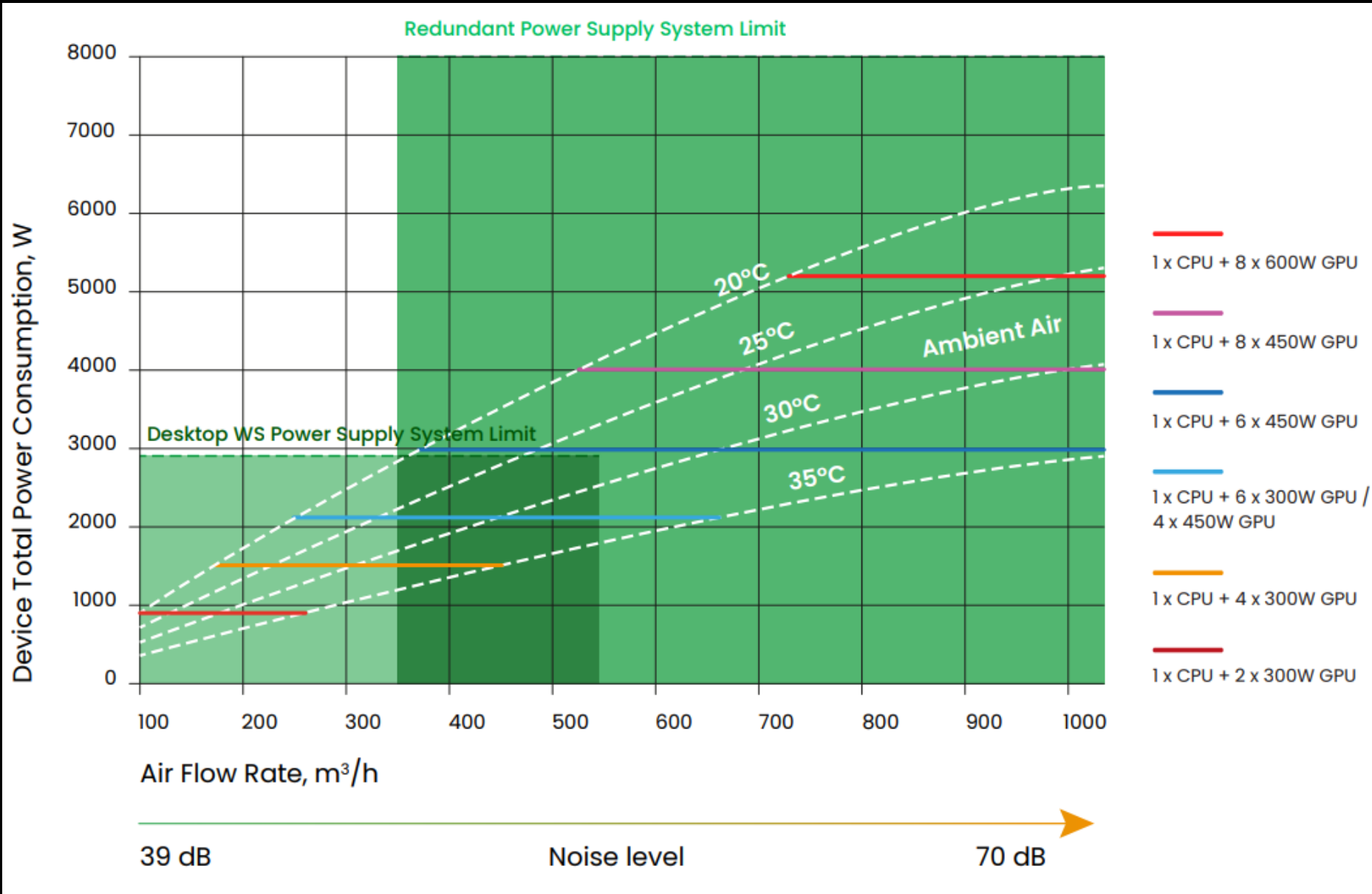


Airflow output

Liquid flow direction



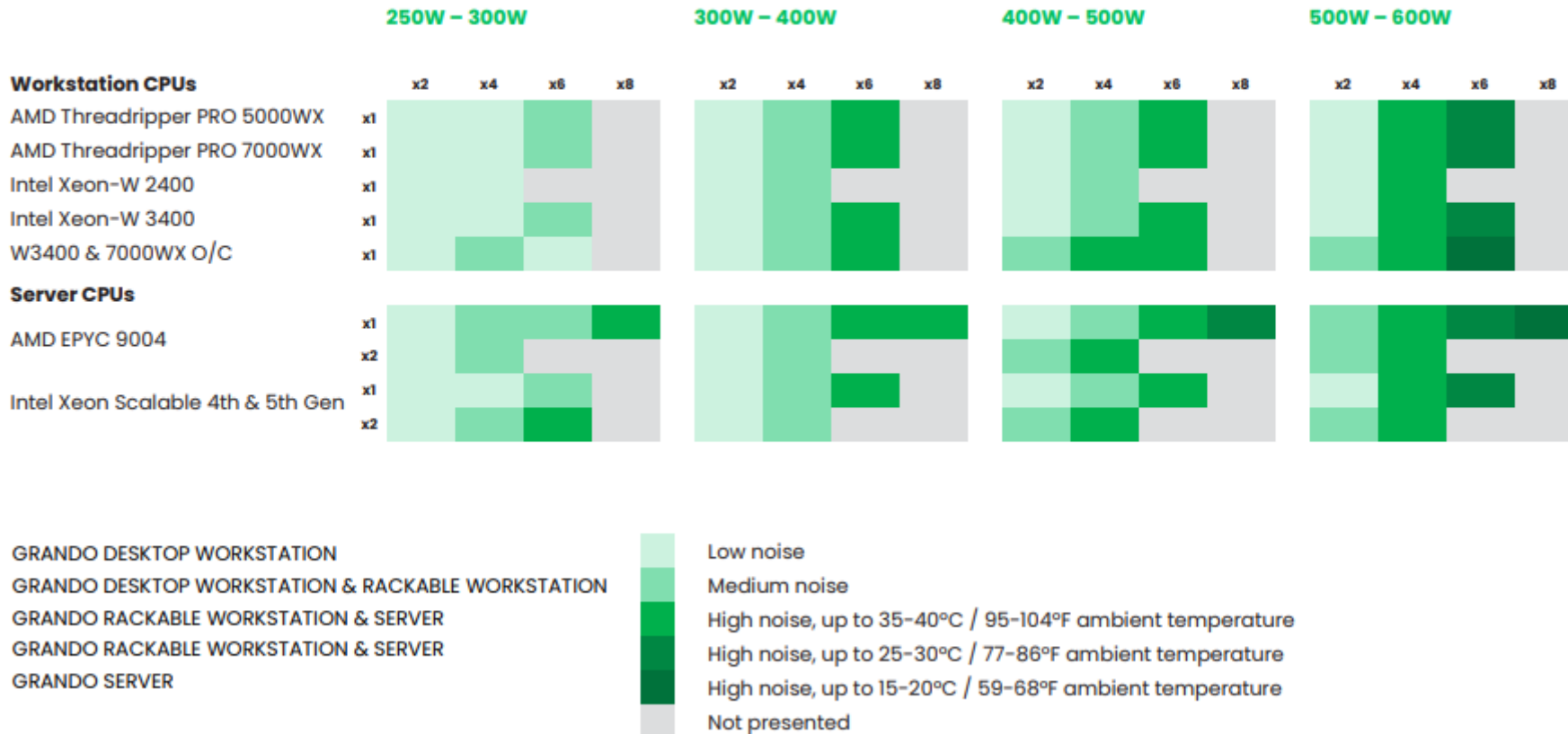
Performance Chart





Configuration Examples

GPU TDP & Quantity per System



*current and future generation processors, motherboards, and GPUs can be offered once validated.



Configuration Examples

up to 300W

- NVIDIA A100 40Gb (250W)
- NVIDIA A100 80GB (300W)
- NVIDIA RTX A6000 / A40 (300W)
- NVIDIA RTX 6000 ADA / L40 (300W)
- AMD Radeon PRO W7900 (300W)

up to 350W

- NVIDIA H100 80Gb (350W)
- NVIDIA 3080 (320W)
- NVIDIA 3090 (350W)
- NVIDIA L40S (350W)

up to 450W

- NVIDIA 3090 Ti (450W)
- NVIDIA 4090 (450W)

Consumer Grade

- Intel Core-i9
- AMD Ryzen

Workstation

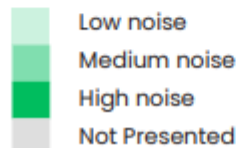
- Intel Xeon-W 2400
- Intel Xeon-W 3400
- AMD Threadripper PRO 5000WX
- AMD Threadripper PRO 7000WX

Server

- Intel Xeon Scalable 4th & 5th Gen
- AMD EPYC 7003
- AMD EPYC 9004



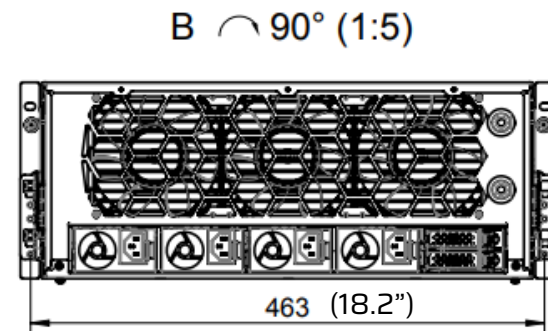
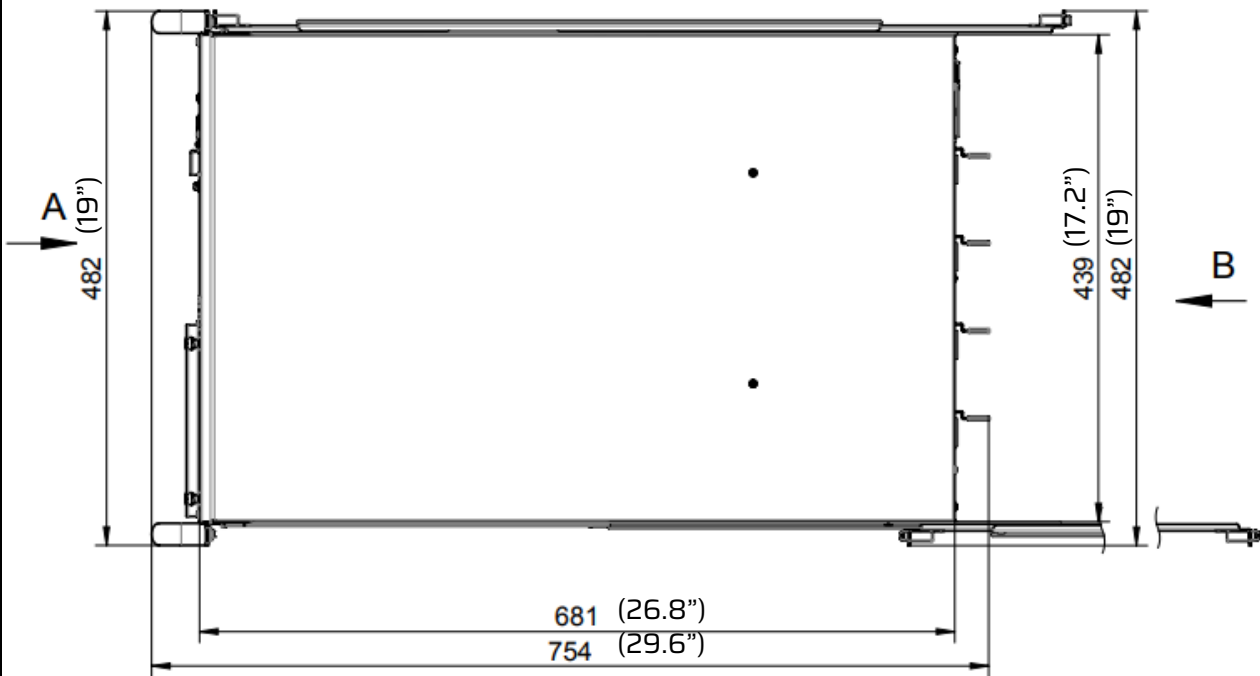
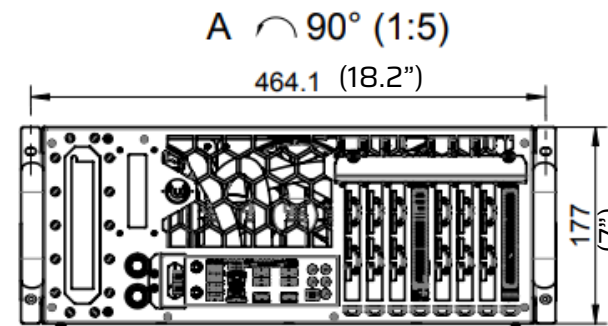
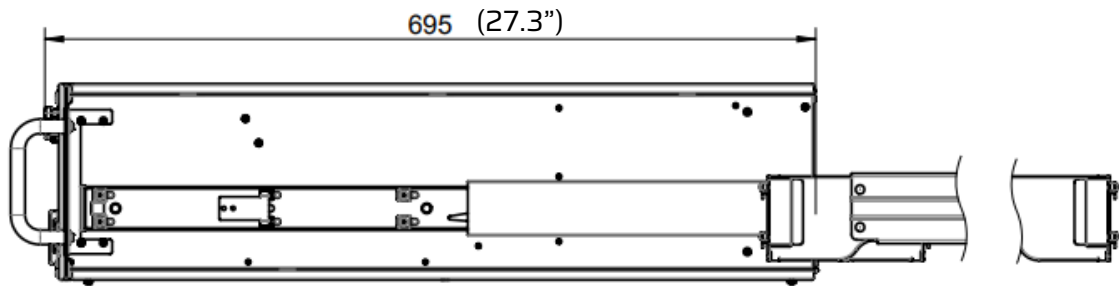
- Comino Grando Workstation
- Comino Grando Workstation/Server
- Comino Grando Server



* In this configuration at least one GPU operates with decreased to PCIe x8 bandwidth



Dimensions

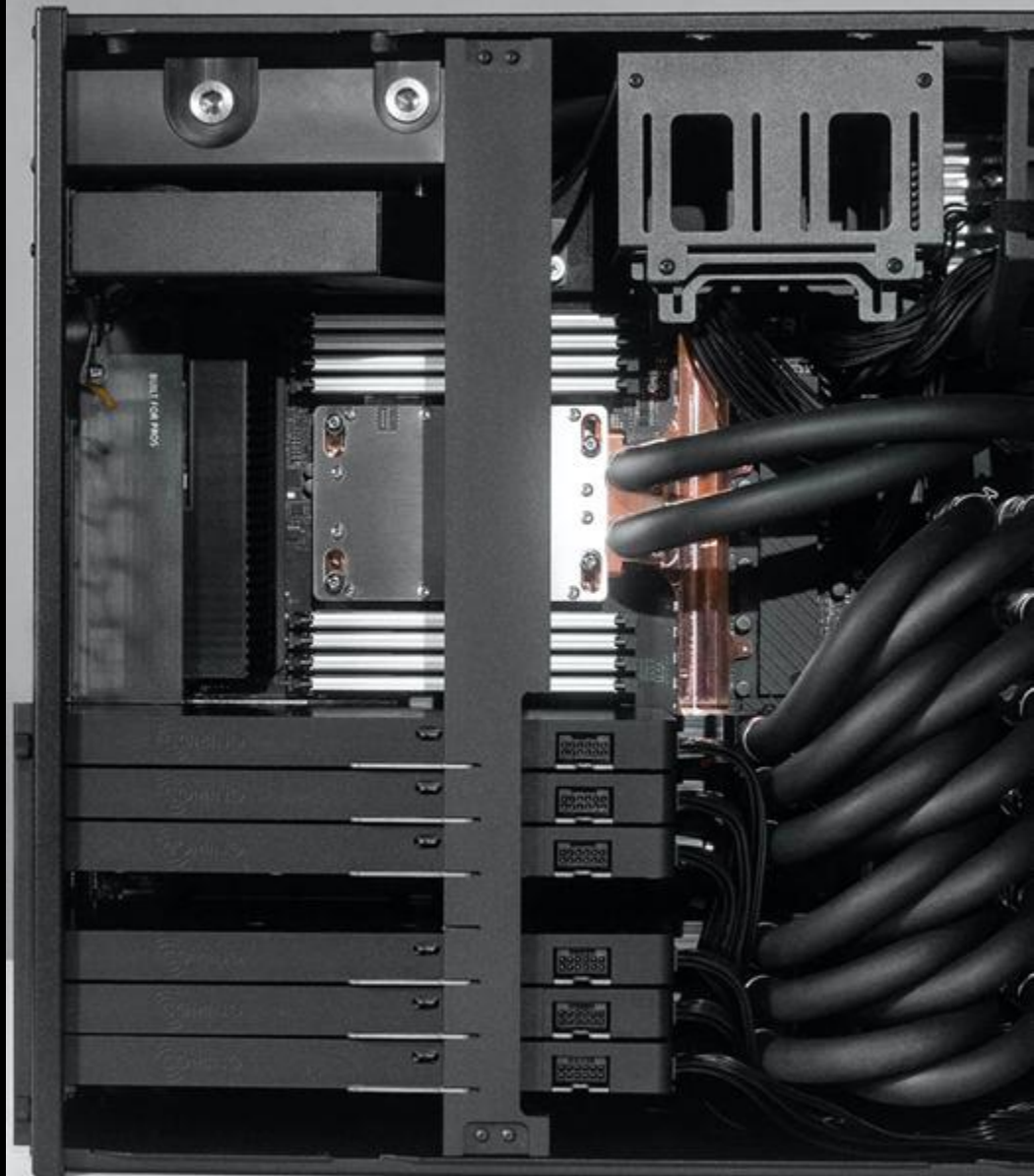




X-Class Grando

Why choose the X-Class Grando?

- **POWERFUL**
 - Time is money. And if we talk about calculations, the higher the power, the more calculations are performed per unit of time. Our workstations have unsurpassed power. This is the key to unbeatable profits.
- **SILENT**
 - The noise is a big inconvenience. In the workplace, at home or in the office, noise annoys others and prevents you from concentrating. Our workstation is 3 times quieter than a similar air-cooled solution.
- **RELIABLE**
 - We all value reliable partners. This helps to achieve goals without being distracted by means. Our workstations are extremely reliable thanks to Comino's liquid cooling and can handle high temperatures and constant stress on computing elements extremely well.
- **WORKS IN WARMER ENVIRONMENTS**
 - Computing components are getting hotter and more difficult to cool with air, especially in warmer regions. With efficient liquid cooling, our Grando operates in hotter climates and reduce room cooling preparation requirements, saving air conditioning costs up to 4x!
- **Fast**
 - Grando workstations / servers use top-tier components to deliver unmatched performance in password recovery.
 - Many companies choose Grando systems to stay ahead of the market.
- **ENERGY EFFICIENT**
 - Comino's server-grade liquid cooling allows components to operate within the comfortable temperature range, leading to the elimination of errors due to the high temperature issues, as well as better power efficiency.
 - Comino liquid-cooled servers allow for PUE < 1.05 in Data Centers, while recuperating heat, too.





THANK YOU