

# SmartStack Datasheet

### Why Liqid

Liqid unlocks new levels of GPU speed and efficiency, enabling accelerated time-to-value for modern workloads like AI and HPC.

## **Key Advantages**

- » Accelerate time to results with up to 20 GPUs per host, and GPU-to-GPU and GPU-to-Storage direct communication.
- » Meet real-time workload demands with zero- touch, dynamic GPU-to-Server configurability.
- » Drive new levels of efficiency with superior resource utilization and an on-demand approach to infrastructure.

## **Key Features:**

- » Dynamic GPU Provisioning
- » Bare Metal Connectivity
- » Granular Flexible Scalability
- » Simple UI, API, CLI Management
- » Cloud Orchestration Integration
- » Automated Deployments
- » Massive Scale-out/Scale-up
- » Peer-2-Peer Performance
- » GPU Hot-Plug / Hot-Unplug
- » Multi-Vendor GPU Support
- » All-in-One Simplicity

# Liqid SmartStack

Deliver Unmatched GPU Performance and Flexibility Anytime, Anywhere

#### Overview

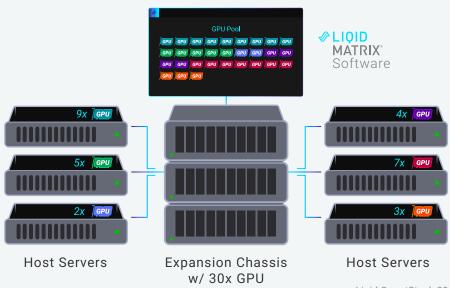
Traditional servers struggle to support the surging GPU demands of today's most challenging AI and HPC workloads. Limited GPU density reduces performance potential, resulting in poor utilization and wastes money.

Organizations need a flexible and cost-effective way to deploy GPUs. Liqid GPU On-Demand allows you to provision, scale and migrate physical GPUs via software for new levels of GPU density and flexibility. Instead of being limited to a fixed number of GPUs per host, you can now dynamically deploy as many GPUs as needed – anytime, anywhere. When GPUs are no longer being utilized, move them to a new host, zero-touch.

With Liqid GPU On-Demand, your GPUs are installed into a PCIe expansion chassis and connected to hosts over PCIe Gen4 fabric. Physical GPUs can then be quickly provisioned from GPU pools to bare metal host via Liqid Matrix software, delivering faster time-to-results, plus greater agility and efficiency.

Liqid SmartStacks are fully validated GPU On-Demand solutions designed to meet your most challenging GPU requirements. Available in four sizes, with a maximum capacity of thirty GPUs and sixteen servers per system, each SmartStack includes everything you need to deploy Liqid GPU On-Demand.

# Dynamic GPU-to-CPU Provisioning

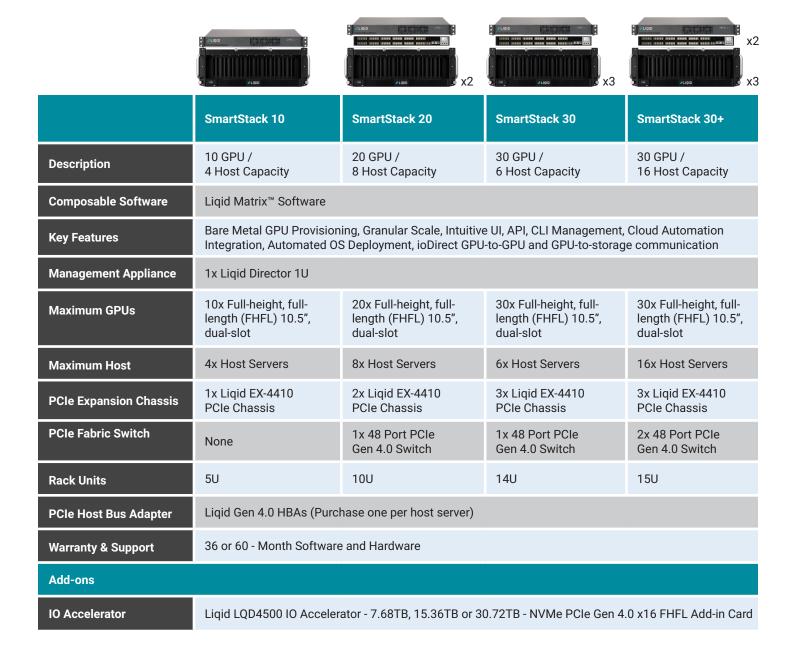


e.g. Ligid SmartStack 30



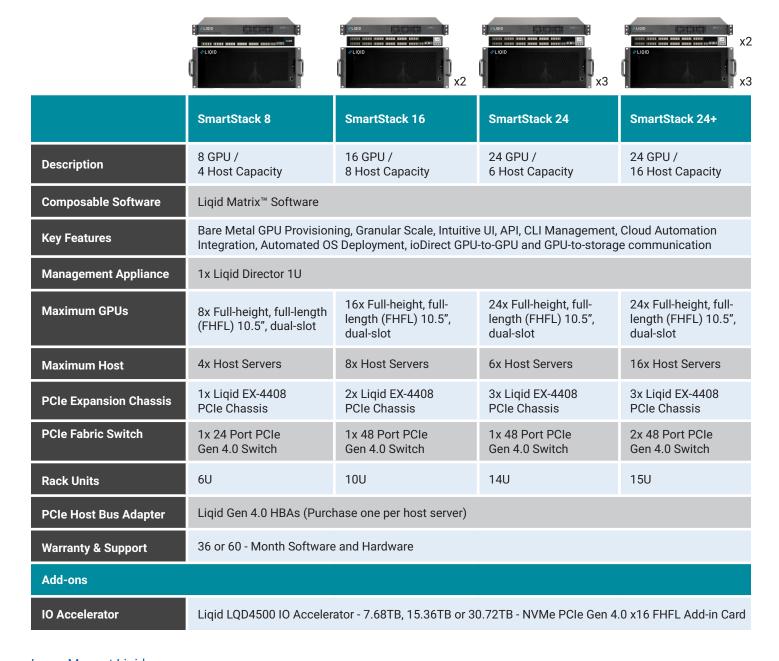
Each SmartStack supports heterogeneous GPUs from major vendors. For a list of supported GPUs and hosts, please refer to Liqid's hardware compatibility list. For enhanced data performance, a single Liqid LQD4500 IO Accelerator can be added to each PCIe expansion chassis.

# Liqid SmartStack 4410 Series Technical Specifications





# Liqid SmartStack 4408 Series Technical Specifications



Learn More at Liqid.com