

# DELTA SPRUT 5

## GPGPU platform

GPGPU platform based on the latest 5th generation Intel® Xeon® Scalable Family processors with the ability to connect up to 20 graphics adapters via the PCIe Gen5 interface

The platform enables the creation of comprehensive solutions for artificial intelligence, machine learning, HPC, simulation, and 3D VDI infrastructure tasks

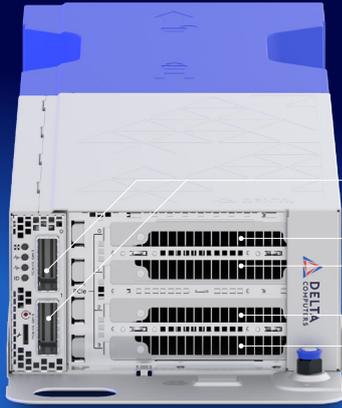


## Features:

- ▶ Capacity for up to 10 NVIDIA H100 accelerators or up to 20 HHFL adapters, such as NVIDIA L4/A10
- ▶ Increased performance with optional GPU pairing via NVLink
- ▶ High-speed data transfer via the modern PCIe Gen5 bus
- ▶ Up to 128 Emerald Rapids cores
- ▶ The maximum RAM capacity of 8TB DDR5 allows for the processing of large amounts of data
- ▶ Up to eight U2 PCIe Gen5 NVMe drives for hot storage
- ▶ Extensive monitoring and management functionality in Delta BMC software

CPU	2x Intel® Xeon® Scalable Emerald Rapids 5th generation, up to 385W			
RAM	Up to 32x DIMM DDR5 up to 5600 MT/s			
Storage	Up to 8x 2,5" U.2 7mm PCIe 5.0 NVMe SSD	or	Up to 4x 2,5" U.2 15mm PCIe 5.0 NVMe SSD	
External connectors on the front panel	1x USB 3.0 1x mini-VGA	1x RJ-45 Gigabit Ethernet 10/100/1000 Мбит/с Possibility of remote connection to the management system (Delta BMC) and operating system via a single RJ-45 port		
Interconnect bus	PCIe x16 Gen5			
Max. number and size PCIe adapters	1x PCIe Gen5 OCP 3.0 2x PCIe Gen5 x16 HHHL, 1x PCIe Gen5 x16 HHHL, 2x PCIe Gen5 x8 HHHL in various configurations: Up to 20x PCIe x16 HHFL or up to 10x PCIe x16 FHFL Ability to pair GPUs via NVLink Heat dissipation up to 350 W per installed GPU adapter			
Power supply	From centralized OCP busbar, 12V			
Embedded software	Delta BIOS Delta BMC			
Device size type	Up to 6OU			

# Appearance:

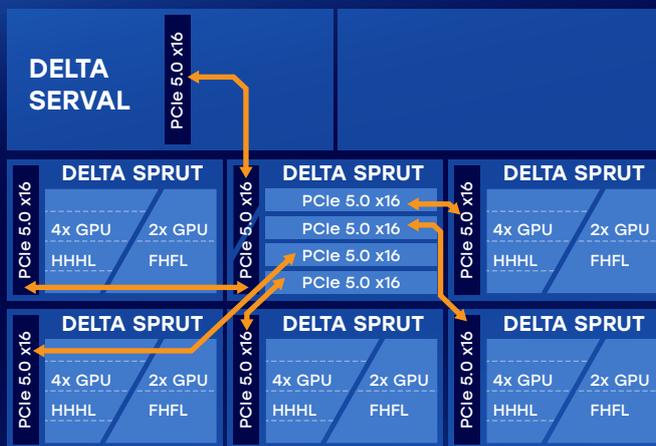


2x PCIe Gen5

2x PCIe Gen5 x16 or 4x PCIe Gen5 x16

## Main usage scenarios:

### AI, machine learning, HPC, and simulation



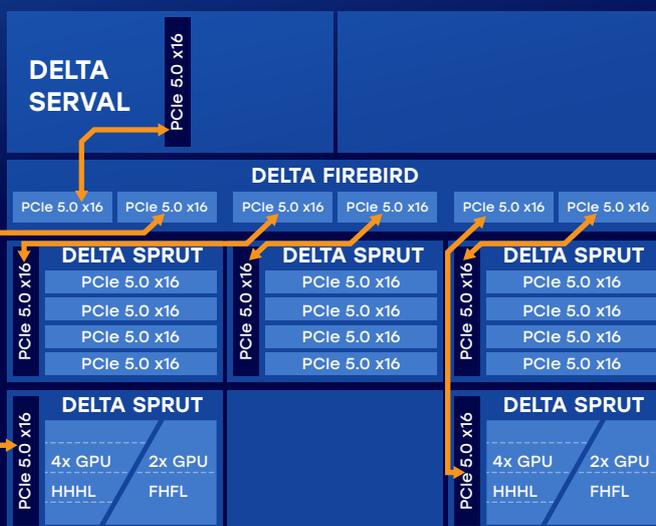
1x Server, 5x Delta Sprut (1x switching, up to 5 computing), cascade connection

### Modeling



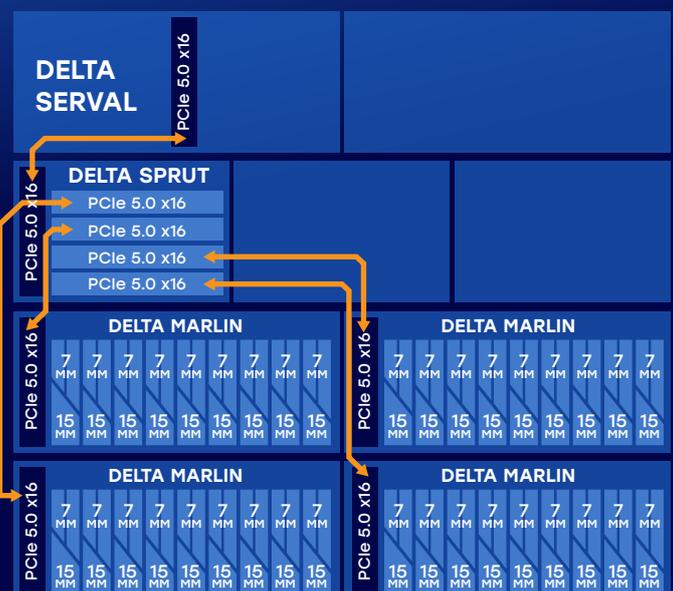
1x Server, 1x Delta Sprut

### AI, machine learning, HPC, and simulation:



1x Server, 5x Delta Sprut (1x switching, up to 5 computing), cascade connection

### Data storage system:



1x Server 1x Delta Sprut  
4x Delta Marlin (up to 72 7mm discs or up to 36 15mm discs)

## Other products:

### Computing infrastructure

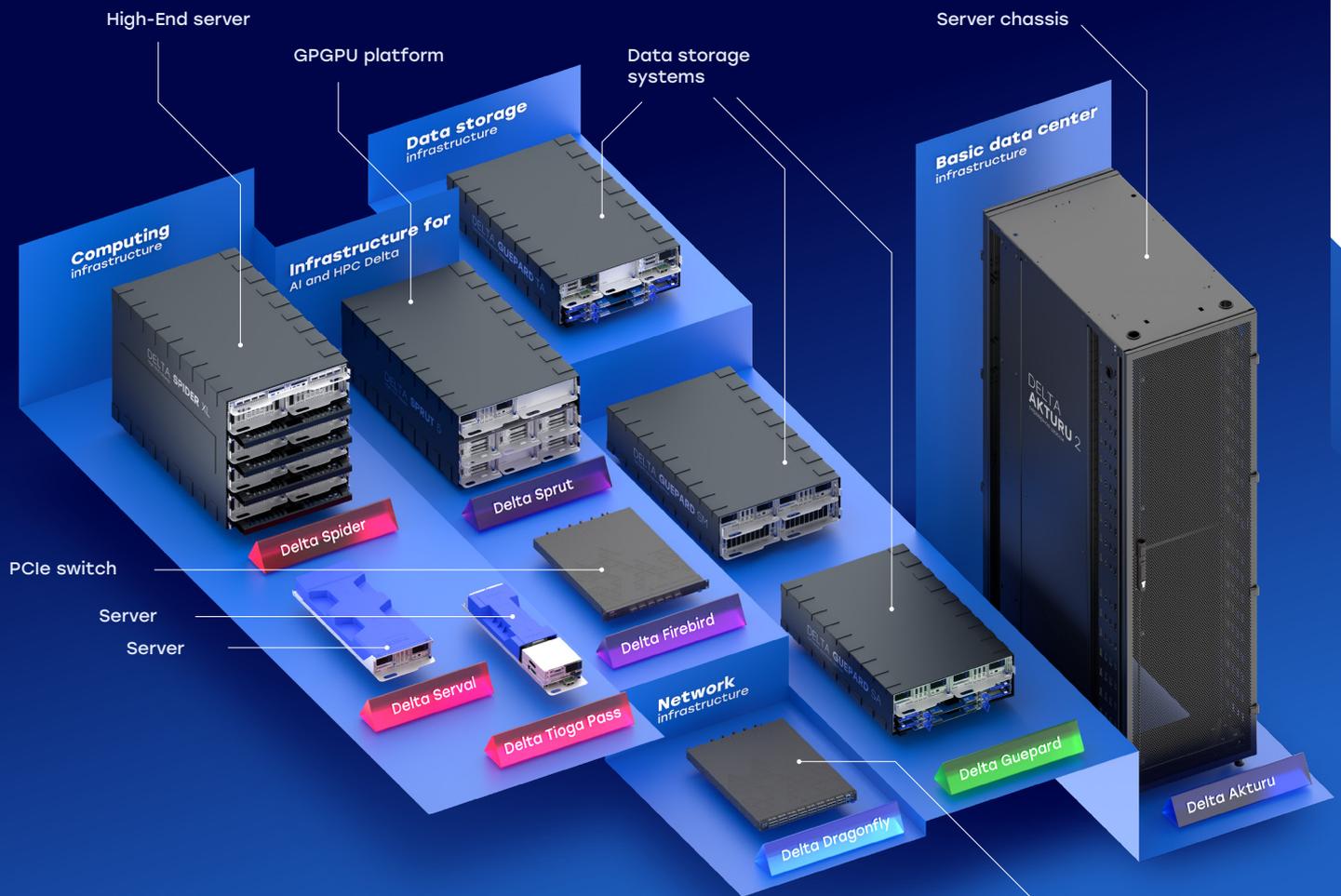
The server equipment lineup includes both modern general-purpose servers for standard usage scenarios and advanced multiprocessor high-end platforms for running in-memory databases and critical software solutions such as BI, ERP, SAP, and CRM.

### Data storage infrastructure

The Delta Guepard line of data storage systems solves a wide variety of tasks: from working with backup systems (SRK) to supporting high-load transactional systems. The platforms meet modern standards of reliability, scalability, and performance thanks to the use of advanced technologies, such as support for high-speed NVMe Gen5 drives.

### Infrastructure for AI and HPC

The line is designed to solve problems in the fields of artificial intelligence (AI), machine learning (ML), modeling, 3D VDI infrastructure, and scientific modeling (HPC). The modular architecture allows you to create high-performance integrated solutions with record accelerator density.



### Network infrastructure

Modern high-performance Whitebox platforms for building ready-made software and hardware complexes.

