

GPGPU platform

Delta Sprut, 5 generations

GPGPU platform based on the latest 5th generation Intel® Xeon® Scalable Family processors with the ability to connect up to 10 accelerators via the PCIe Gen5 interface

The platform allows to create complex solutions for artificial intelligence, machine learning, HPC, modeling and 3D VDI infrastructure building tasks



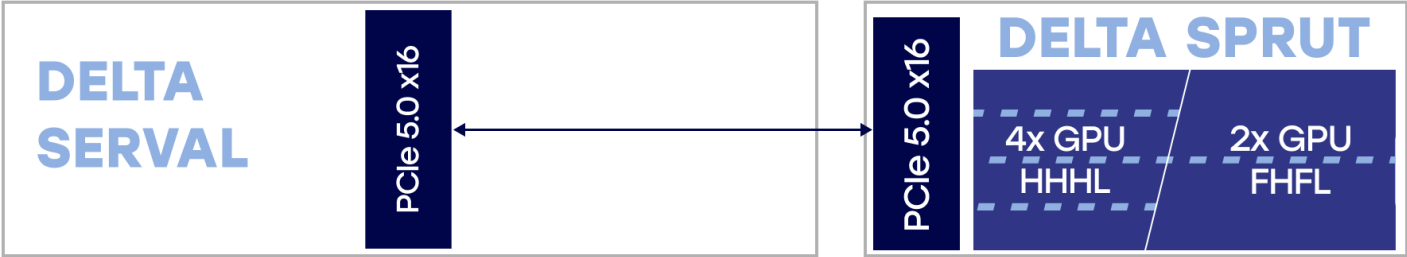
Features:

- Possibility of installing up to 10 NVIDIA H100 accelerators or up to 20 HHFL adapters, for example, NVIDIA L4/A10
- Increased performance through optional pairing of GPUs via NVLink
- High-speed data transfer over the state-of-the-art PCIe Gen5 bus
- Up to 128 cores Emerald Rapids
- Maximum 8TB DDR5 DRAM capacity to handle large amounts of data
- Up to eight U2 PCIe Gen5 NVMe disks for hot storage
- Extensive monitoring and control functionality in the Delta BMC

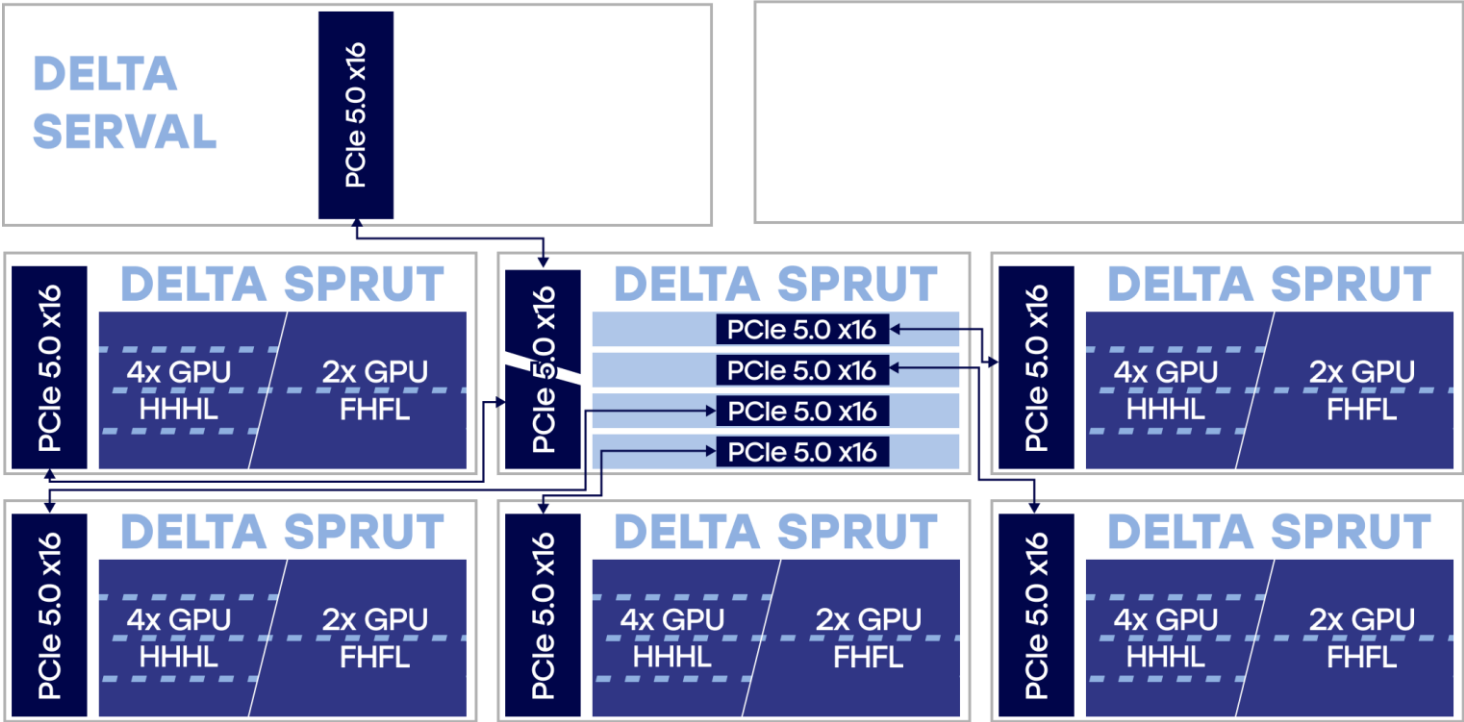
Processor	2x Intel® Xeon® Scalable Emerald Rapids 5th Generation, up to 385W
RAM	Up to 32x DIMMs DDR5 up to 5600 MHz
Storage	Up to 8x 2.5" U.2 7mm PCIe 5.0 NVMe SSDs or up to 4x 2.5" U.2 15mm PCIe 5.0 NVMe SSDs
External connectors on the front panel	1x USB 3.0 1x mini-VGA 1x RJ-45 Gigabit Ethernet 10/100/1000 Mbps (Possibility of remote connection to the control system (Delta BMC and operating system via a single RJ-45 port). connection to the control system (Delta BMC) and operating system through 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 different configurations Up to 20x PCIe x16 HHFL or Up to 10x PCIe x16 FHFL Ability to pair GPUs via NVLinkHeat dissipation up to 350W per GPU adapter installed
Power supply	From OCP centralized busbar system, 12V
Firmware	Delta BIOS Delta BMC
Type of device size	Up to 6OU

Main use cases:

Modeling
1x Server 1x Delta Sprut



AI, machine learning, HPC and modeling
1x Server 6x Delta Sprut (1x switching, up to 5x computing), cascade connection



AI, machine learning, HPC and modeling
1x Server 1x Delta Firebird 5x Delta Sprut

