

DELTA FIREBIRD

PCIe switch

A platform for creating complexes consisting of combinations of servers, GPGPU platforms, disk arrays, connected via the PCIe Gen5 interface

The platform is designed to build a customizable, disaggregated, and scalable infrastructure for companies solving a wide range of problems: from AI and machine learning to HPC and modeling



Features:

- ▶ Switching via high-speed PCIe Gen5 interface
- ▶ Use of hybrid storage systems in multi-controller controller
- ▶ Can be installed in both standard 19" racks and 21" racks
- ▶ Possibility of interconnecting up to 6 devices into a single computing complex
- ▶ The ability to combine multiple GPGPU platforms for solving AI and machine learning tasks
- ▶ Extensive monitoring and control functionality in the Delta BMC system

Data bus interface	PCIe Gen5
Connectors on the front panel	6x PCIe Gen5 x16
Power supply	2x CRPS power supply unit or from the centralized OCP 12V busbar
Cooling system	N+1 reservation formula
Embedded software	Delta BMC
Size type	1U
Dimensions, W x D x H	481 mm x 629 mm x 43 mm
Mass	11 kg

▶ The manufacturer has the right to make changes to the technical characteristics, names, appearance and configuration of the product without prior notice. Please check the specifications with our managers before placing an order.

Appearance:

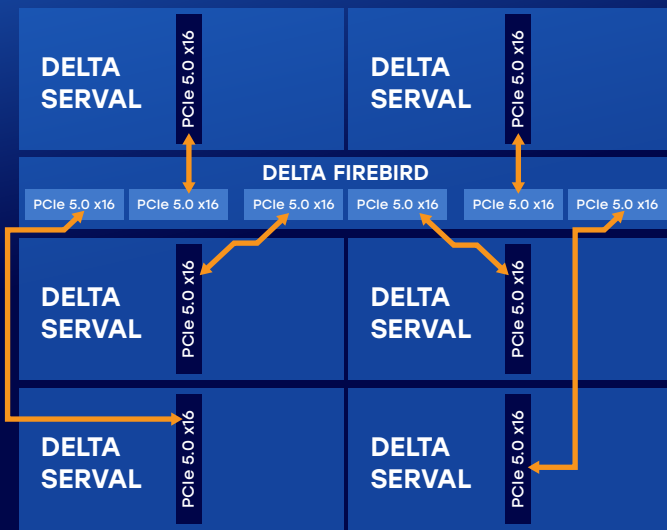


Display panel

6x PCIe Gen5 x16

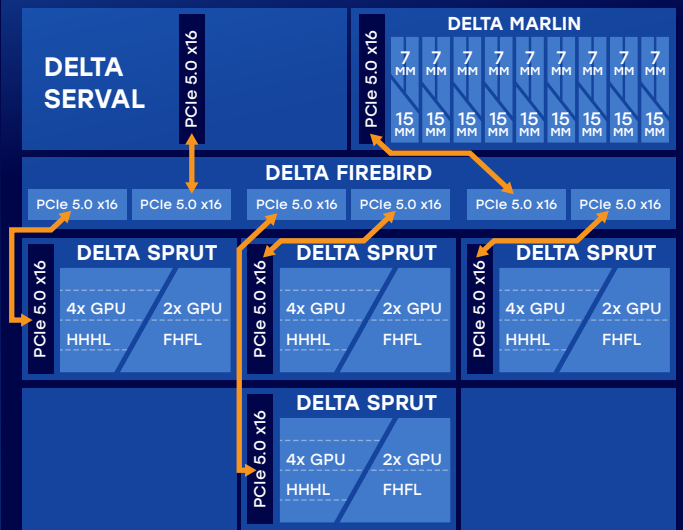
Main usage scenarios:

HPC, Database machine cluster



6x Delta Serval 1x Delta Firebird

HPC AI node, AI, ML, 3D VDI



1x Delta Serval 1x Delta Firebird 1x Delta Sprut

Other products:

Computing infrastructure

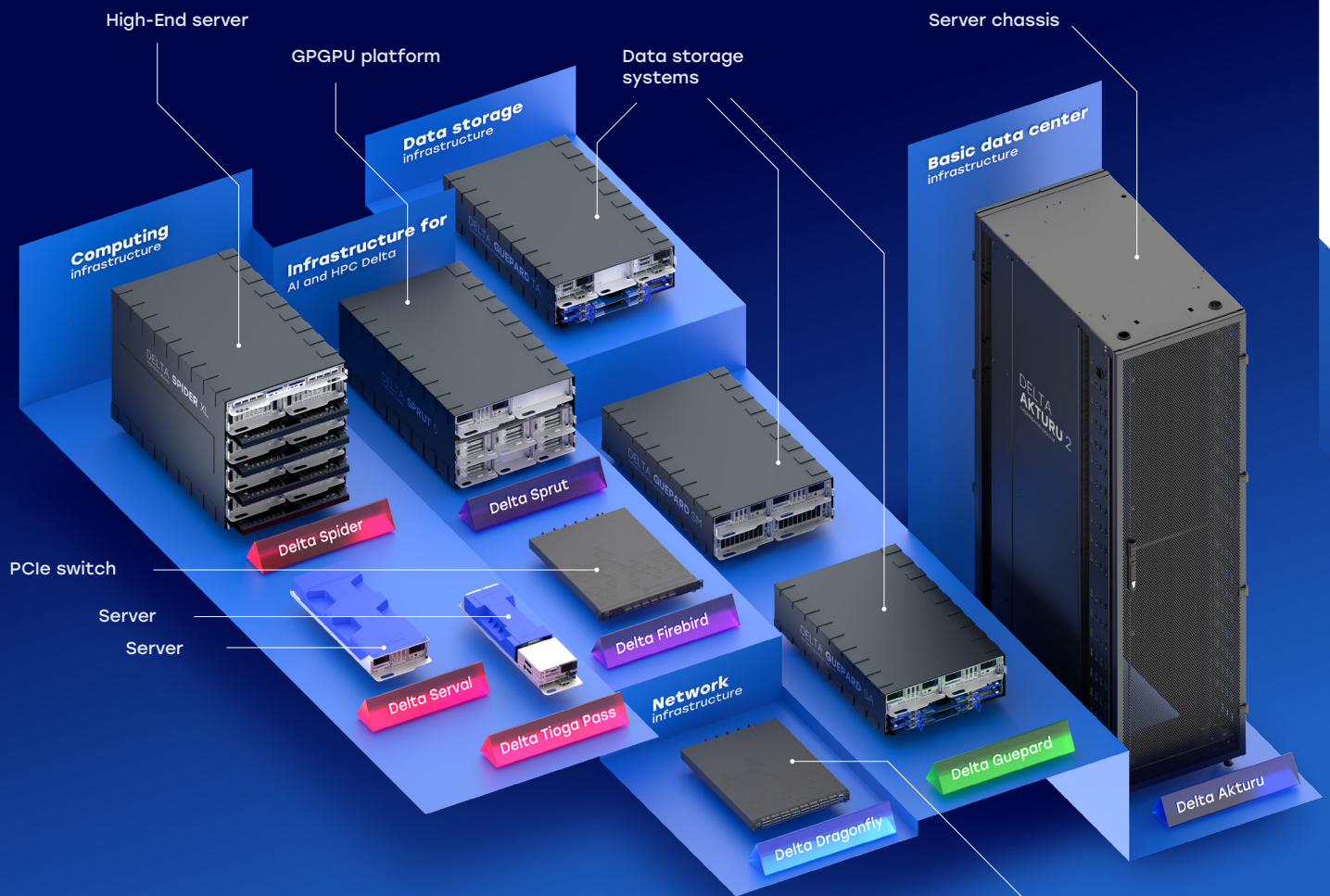
The server equipment lineup includes both modern general-purpose servers for standard usage scenarios and advanced multiprocessor high-end platforms for running in-memory databases and critical software solutions such as BI, ERP, SAP, and CRM.

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.

