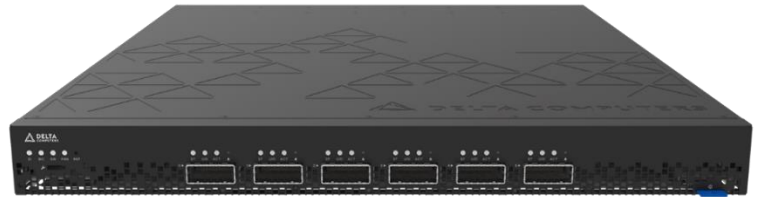# PCI Express switch Delta Firebird

PCIe switch enables integration of servers, GPGPU platforms, disk arrays, and other devices into a single system via the PCIe Gen5 interface

The platform is designed to build a regulated disaggregated and scalable infrastructure in companies that solve a wide range of tasks: from AI and machine learning, to HPC and modeling
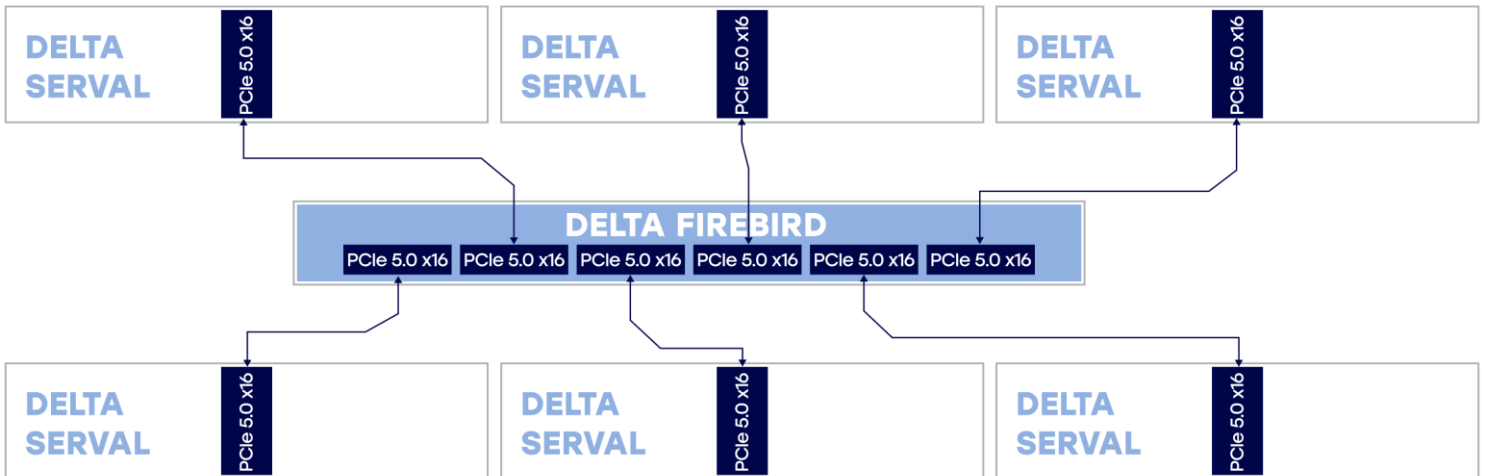

Features:

- High-speed PCIe Gen5 interface switching

- Possibility to interconnect up to 6 devices into a single computing complex

- Use in multi-controller, controller, hybrid storage

- Ability to combine multiple GPGPU platforms for AI and machine learning tasks

- Capable of mounting in either a standard 19" rack or 21" OCP Rack

- Extensive monitoring and control functionality in the Delta BMC system

Data bus interface	PCIe Gen 5
Front panel connectors	6x PCIe 5.0 x16
Power supply	2x CRPS power supply or From 12V OCP centralized busbar
Cooling system	N+1 reservation formula
Embedded software	Delta BMC
Size type Dimensions, W x L x H Weight	1U, 481 mm x 629 mm x 43 mm 11 kg

Main use cases:

HPC, Database Machine Cluster
6x Delta Serval 1x Delta Firebird

HPC AI node, AI, machine learning, 3D VDI
1x Delta Serval 1x Delta Firebird 1x Delta Sprut