DELTA **SPRUT** (Baikal)

Hi-end server

The platform is designed for running in-memory databases and mission-critical applications, as well as for building VDI infrastructure

The server has a modular architecture and supports 1S single-socket, 2S dual-socket, and 4S quad-socket configurations, allowing you to scale computing power in line with growing application requirements

Features:

▶ Up to 192 Arm® Cortex™-A75 cores

▶ Up to 12 TB DDR4 RAM

▶ Up to 16 7mm U.2 NVMe drives for hot data storage

▶ Capability to connect up to 7 PCIe Gen4 HHHL adapters

▶ Extensive monitoring and control functionality in the Delta BMC system

Module	Spider (Baikal) S	Spider (Baikal) M	Spider (Baikal) L
Processor	1x Baikal-S (BE-S1000)	2x Baikal-S (BE-S1000)	4x Baikal-S (BE-S1000)
RAM	Up to 12x DIMM DDR4 3200MT/s	Up to 24x DIMM DDR4 3200MT/s	Up to 48x DIMM DDR4 3200MT/s
Data storagein computing modules	Up to 6x SSD 2,5" U.2 7мм NVMe or Up to 3x SSD 2,5" U.2 15мм NVMe	Up to 14x SSD 2,5" U.2 7мм NVMe or Up to 7x SSD 2,5" U.2 15мм NVMe	Up to 30x SSD 2,5" U.2 7мм NVMe or Up to 15x SSD 2,5" U.2 15мм NVMe
Expansion slots	Up to 2x PCIe Gen4 x16 HHHL	Up to 5x PCIe Gen4 x16 HHHL	Up to 7x PCIe Gen4 x16 HHHL
Device size	2 OU	3 OU	5 OU
Built-in interfaces	2x USB 2.0 1x RJ-45 Gigabit Ethernet 10/100/1000 Mbit/s 1x miniDP 1x USB Type-C service connector		
Cooling system	Air cooling or Possibility of installing a hybrid cooling system Delta Hybrid Cooling Hot swapping of cooling fans N+1 cooling fan redundancy system		
Power supply	From the centralized OCP busbar		

Appearance:

- miniDP
- 2x USB 2.0
- RJ45
- U.2 NVMe 7/15 mm drives (optional)
- Expansion slots PCIe Gen4 x16

Other products:

High-End server

GPGPU platform

Data storage systems

Server chassis

Computing infrastructure

Infrastructure for AI and HPC Delta

Data storage infrastructure

Basic data center infrastructure

DELTA SPIDER XL

DELTA SPRUT S

DELTA GUEPARD 7A

DELTA GUEPARD SM

DELTA GUEPARD SA

DELTA AKTURU 2

PCIe switch

Server

Server

Delta Spider

Delta Sprut

Delta Firebird

Delta Serval

Delta Tioga Pass

Network infrastructure

Delta Dragonfly

Delta Guepard

Delta Akturu

Ethernet-switch

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