

Hi-end server Delta Spider (Baikal)

The platform is designed to run in-memory databases and mission-critical applications, as well as to build 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
- Connect up to 7 PCIe Gen4 HHHL adapters

Supports up to 16x PCIe Gen4 x16 lanes

- 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 3200MHz	Up to 24x DIMM DDR4 3200MHz	Up to 48x DIMM DDR4 3200MHz
Data storage in computing modules	Up to 6x 2.5" U.2 7mm NVMe SSDs or Up to 3x 2.5" U.2 15mm NVMe SSDs	Up to 14x 2.5" U.2 7mm NVMe SSDs or Up to 7x 2.5" U.2 15mm NVMe SSDs	Up to 30x 2.5" U.2 7mm NVMe SSDs or Up to 15x 2.5" U.2 15mm NVMe SSDs
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
Embedded 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		