

# Data storage system

## Delta Guepard

Versatile SATA/NVMe-based storage system with flexible configuration options

The solution is optimized for reliable cold and hot data storage in large, small and medium-sized enterprises

### Features:

- Configuration options: All-flash and Hybrid
- Connect up to 60pcs hot-swappable drives
- No single point of failure
- Total storage capacity up to 1,440TB
- Supported protocols: Fibre Channel, iSCSI and InfiniBand
- Automatically exclude the slowest disks from the read process to preserve RAID performance
- Recognizing sequential data blocks in multiple concurrent threads and moving them «ahead of time» into the cache to improve performance
- Identify and restore to the disk only the data that has changed while the disk was not in the system
- Extensive monitoring and control functionality in the Delta BMC and Delta Sokol system



Form factor	4U	6U/8U
Capacity	Up to 460TB on NVMe disks or Up to 720 TB on SATA disks	Up to 920TB on NVMe disks or Up to 1440 TB on SATA disks
Storage	Up to 30x 2.5"/3.5" SATA HDDs or U.2 (7-15 mm) NVMe SSDs	Up to 60x 2.5"/3.5" SATA HDDs or U.2 (7-15 mm) NVMe SSDs
Number of controllers	Up to 2pcs. Active-Active mode	
Interface	PCIe Gen3 x16	
Supported RAID levels	RAID 0/1/5/6/10/50/60/70	
Supported file protocols	SMB v2/v3, NFS v3/v4, AFP, FTP	
Supported protocols	Fibre Channel; iSCSI; InfiniBand (FDR, QDR, DDR, EDR)	
Power supply	From 12V OCP centralized busbar	
Cooling system	N+1 cooling fan redundancy system	
Embedded software	Delta BMC	