

DG7000 product overview

Product description and front, rear, and inside views

Lenovo

Product overview

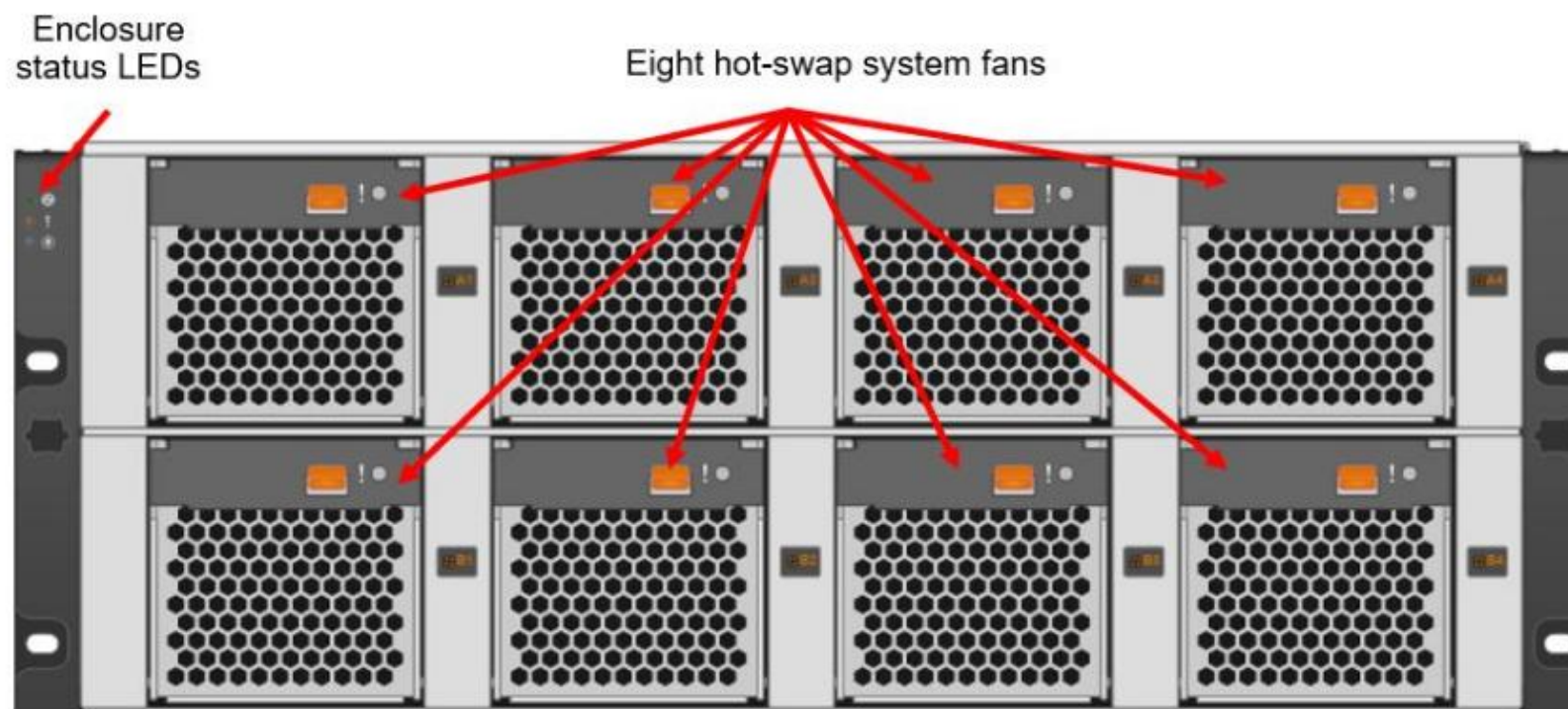
The DG7000 (Model: 7DE5) is an all-flash storage array based on QLC flash technology. It is a 4U storage enclosure without internal NVMe QLC SSD drives. Each HA pair is compatible with up to four DG240N NVMe QLC SSD expansion enclosure and supports up to 96 drives. The DG7000 storage controller uses the same 4U enclosure design as the ThinkSystem DM7100F and supports up to 10 PCIe expansion slots. The management console interface is the same as that used in DM Series storage arrays.



DG7000 NVMe all-flash controller

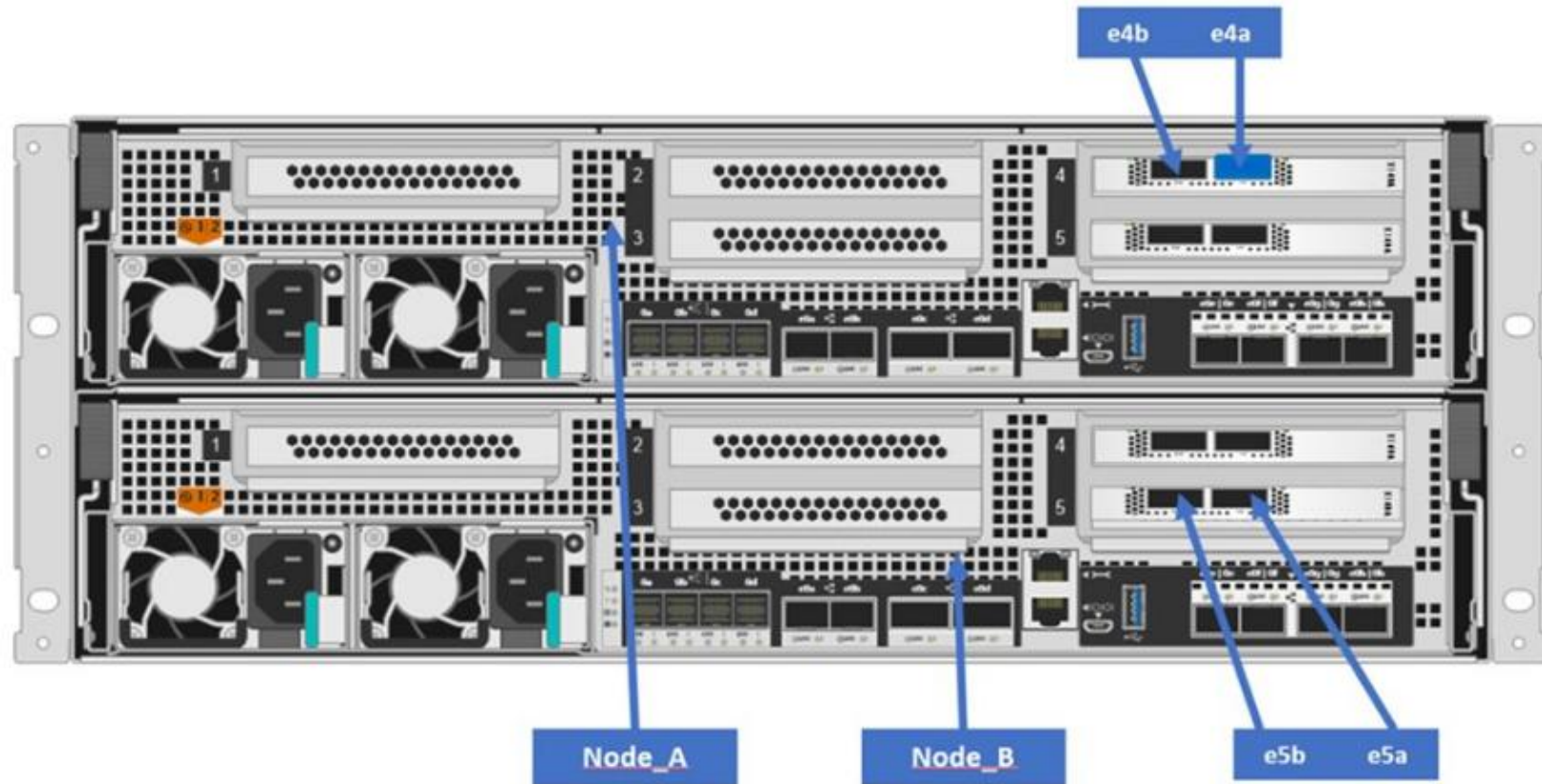
Front view

The front of the DG7000 storage enclosure is equipped with eight hot-swap redundant system fans.



Rear view

The rear of the DG7000 storage enclosure supports two hot-swap redundant controllers and four hot-swap redundant power supplies. Each controller can support five adapters, and all adapters must be installed in pairs. The e4a, e4b, e5a, and e5b 100 GbE ports can only be used with the DG240N NVMe expansion enclosure.



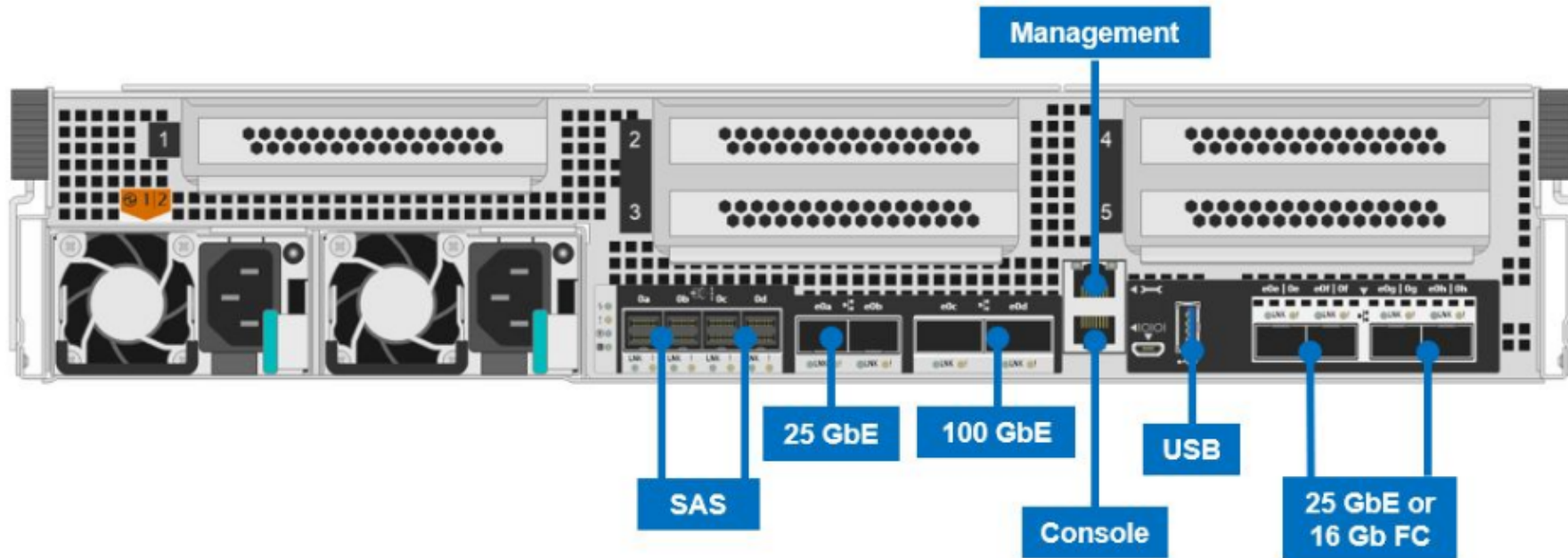
DG7000 controller

Processor and memory (per controller)

- CPU: 2.2GHz 20 Core
- Memory: 128 GB
- NVDIMM: 16 GB

Onboard I/O ports (per controller)

- Two 100 Gb Ethernet – Cluster interconnect
- Two 25 Gb Ethernet – HA
- Two Mezzanine slots for host I/O
 - Four 25 GbE
 - Four 16 Gb FC
- One 1 Gb Ethernet – Management
- One RJ45 – console port
- One micro-B USB – console port
- One Type-A USB – read-only for NetBoot & OS updates
- Four 12 G mini-SAS HDs – not supported with this product



DG7000 controller inside view



DG7000 controller inside view – components removed

This image shows the inside of the controller after the removal of the baffle and adapter cages.

