

Our Hardware **AiRE IntelligentFiler**

At the core of AiRE's exceptional performance lies our meticulously chosen hardware platform, AiRE IntelligentFiler.

We recognize that data storage isn't a one-size-fits-all solution, which is why our hardware is optimized to cater to a wide range of workloads. Whether your data needs evolve over time or you're in search of true concurrent multiprotocol support, AiRE's hardware platform has got you covered. We ensure automatic alignment of on-disk behaviors, optimizing both price performance and price capacity.





Hardware Composition

AiRE IntelligentFile hardware contains a system processing unit (SPU) and disk packs. The SPU can be single or redundant, meaning it is either single or dual controller (controller a, controller b). Additional disk expansion units (DEUs) are provided upon requested. The DEUs can be installed instantly without downtime.

Disk Configuration [Tier 0-3]

Standard configurations offer hybrid-flash and all-flash disk packs for storage tiers 0-3. Hybrid setups can be single or dual controllers with HDDs and SSDs, while all-flash setups always include dual controllers utilizing high-performance SSDs. The effective capacity of a single base unit without DEU can range from 32 TiB to 501 TiB, with an option to scale up as high as petabytes if needed.

Long Hardware Lifecycle

Extended hardware lifecycle is achieved through versatile disk pack configurations, allowing seamless scalability in performance and capacity. The adaptability of the hardware accommodates the changing in demands, workloads, and operational requirements without causing disruptions.



Gen 4 - One Platform

- ▶ A multitude of configurations and possibilities.

Our newest generation of AiRE IntelligentFiler creates the perfect foundation for a more lean and agile IT Infrastructure. The modular design also dramatically reduces the TCO and the overall environmental impact, which fulfills our vision of next-generation green data storage.

Hardware Specifications

STORAGE PROCESSING UNIT	▶	4U Form Factor / dual controller
DISK EXPANSION UNIT	▶	4U Form Factor / up to 2 Disk Expansion Unit (per system)
SUPPORTED DRIVE TYPES	▶	7.2k RPM LFF SAS HDDs / eMLC SFF SAS SSDs
UNIFIED CACHE	▶	Up to a 4 TB (per controller)
WRITE CACHE	▶	Up to 3200 GB
READ CACHE	▶	Up to 3200 GB
I/O CONNECTIVITY	▶	1x 1GbE IPMI iKVM 2x 1GbE Management and Replication (per controller) Up to 4x 10GbE-SFP+ / 2x 40GbE-QSFP+ / 2x 100GbE-QSFP+
POWER SUPPLY	▶	Redundant 1200 W 80+ Platinum
SOFTWARE	▶	AiRE IntelligentFiler software bundle full license with SmartCARE
DISK PACK	▶	Hybrid and All Flash with metadata acceleration / 8 TiB up to 20 PiB Striped Mirror / Single Parity / Dual Parity / Triple Parity



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